For Research Use Only

## SIRT5 Monoclonal antibody

Catalog Number:67257-1-lg <u>3 Publications</u>



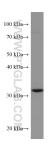
67257-1-ig   BC000126     Size:   GenelD (NCB     Size:   GenelD (NCB     150ul, Concentration: 1800 ug/ml by 23208   Nanodrop and 1000 ug/ml by 23208     Nanodrop and 1000 ug/ml by Badford UNIPROT ID: method using BSA as the standard:   Q9NNA8     Source:   Full Name:     Mouse   siruin (silem)     Isotype:   information;     Mouse   siruin (silem)     Isotype:   information;     Mouse   Gitalog Number:     AG7743   34 kDa     Observed MV   33 kDa     Applications:   WB, IF, IP     Species Specificity:   Human     Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with citrate   buffer pH 9.0; (*) Alternatively, antiger, retrieval may be performed with citrate     Background Information   SIRT5, a member fo sirtuin family that is a mitochon ribosyltransferases. Sirtuins play important role in metabolism. SIRT5 mainly locates in. It is an efficier prolonged fasting, ict an activate (PSL), the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo     Qifan Hu   37904651   Storage	ession Number:	Purification Method: Protein A purification
150ul, Concentration: 1800 ug/ml by 23408     Nanodrop and 1000 ug/ml by Bradford (NIPROT ID: method using BSA as the standard; Q9NAB     Source:   Full Name:     Mouse   situria (silent situria)     Isotype:   information r     IgG2b   (S. cerevisiae     Numoogen Catalog Number:   Calculated     AG7743   34 kDa     Observed MV   33 kDa     Npplications:   WB, HC, EUSA     Cited Applications:   WB, HC, EUSA     Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with Citrate   buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate     Background Information   SIRTs, a member to sirtuin family that is a mitochon ribosyltransferases. Sirtuins play important role in metabolism. SIRTs mainty locates in . It is an effici prolonged fasting, it can activate CPS1, the commit regulation of blood ammonia levels.     Iotable Publications   Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651	l)•	CloneNo.:
method using BSA as the standard;   Q9NVA8     Source:   Mouse   situin (silent     Mouse   situin (silent   situin (silent     Isotype:   information   IgG2b   Calculated M     AG7743   34 kDa   Observed NV   33 kDa     Applications:   WB, IHC, ELISA   Cited Applications:   WB, IF, IP     Species Specificity:   Human   Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0   SiRT5, a member fo sinuin family that is a mitochon ribosyltransferases. Sinuins play important role in metabolism. SIRT5 mainly locates in. It is an effici prolonged fasting; it can activate CPS1, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage:   Storage:   Storage Buffer:     Storage   Storage:   Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, ph		1F2B2
method using BSA as the standard;   Q9NVA8     Source:   Mouse   situin (silent     Mouse   situin (silent   situin (silent     Isotype:   information   IgG2b   Calculated M     AG7743   34 kDa   Observed NV   33 kDa     Applications:   WB, IHC, ELISA   Cited Applications:   WB, IF, IP     Species Specificity:   Human   Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   SIRTs, a member fo sinuin family that is a mitochon ribosyltransferases. Situins play important role in metabolism. SIRTs mainy locates in. It is an effici prolonged fasting; it can activate CPS1, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage   Storage     Storage   Storage   Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH		Recommended Dilutions:
Mouse   sittuin (slient)     Isotype:   information r     IgG2b   (S. cerevisiae     Immunogen Catalog Number:   Calculated M     AG7743   34 kDa     Observed MV   33 kDa     Applications:   WB, IHC, EUSA     Cited Applications:   WB, IFC, EUSA     Cited Applications:   WB, IF, IP     Species Specificity:   Human     Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with citrate   buffer pH 9.0; (*) Alternatively, antiger     Background Information   SIRT5, a member fo situin family that is a mitochour ibosyltransferases. Situins play important role in metabolism. SIRT5 mainly locates in. It is an efficitor prolonged fasting, it can activate CP51, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage   Storage:     Storage Buffer:   PRS with 0.02% sodium azide and 50% glycerol, pH   Aliquoting is unnecessary for -20°C storage		WB 1:2000-1:10000
Isotype:   information     IgG2b   (S. cerevisiae     Immunogen Catalog Number:   Calculated M     AG7743   34 kDa     Observed MV   33 kDa     Applications:   WB, IHC, EUSA     Cited Applications:   WB, IF, IP     Species Specificity:   Human     Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   SIRT5, a member fo sirtuin family that is a mitochoor ribosyltansferases. Sirtuins play important tole in metabolism. SIRT5 member for sirtuin family tocates in. It is an efficity prolonged fasting, it can activate CP51, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage:   Storage:     Storage:   Storage:   Storage:   Storage:     Storage:   Storage:   Storage:   Storage:		IHC 1:250-1:1000
IgG2b   (S. cerevisiae     Immunogen Catalog Number:   Calculated M     AG7743   34 kDa     Observed MV   33 kDa     Applications:   WB, IHC, ELISA     Cited Applications:   WB, IF, IP     Species Specificity:   Human     Cited Species:   human, mouse     Note-IHC: suggested antigen retrieval with <i>Citrate</i> buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   SIRT5, a member fo sirtuin family that is a mitochon ribosyltransferases. Sirtuins play important role in metabolism. SIRT5 mainly locates in. It is an efficity prolonged fasting, it can activate CP51, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage:   Storage Buffer:     Storage   Storage:   Storage:   Storage and 50% glycerol, pH	t mating type	
AG7743   34 kDa     Observed MV   33 kDa     Applications   Tested Applications:     WB, IHC, EUSA   Cited Applications:     WB, IF, IP   Species Specificity:     Human   Cited Species:     human, mouse   Note-IHC: suggested antigen retrieval with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   SIRTs, a member fo sirtuin family that is a mitochon ribosyltransferases. Sirtuins play important role in metabolism. SIRTs mainly locates in . It is an effici prologged fasting; it can activate CPS1, the commit regulation of blood ammonia levels.     Notable Publications   Author   Pubmed ID     Qichao Huang   35451091   Chuan-Yi Zuo   39899130     Qifan Hu   37904651   Storage   Storage: Storage: Storage: Storage   Storage: Storage     Storage   Storage   Storage   Storage   Storage	egulation 2 homolog) 5 :)	5
Applications Tested Applications: WB, IHC, ELISA Cited Applications: WB, IF, IP Species Specificity: Human Cited Species: human, mouse Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Background Information SIRT5, a member fo sirtuin family that is a mitochoor ribosyltransferases. Sirtuins play important role in no metabolism. SIRT5 mainly locates in .1 it is an efficient prolonged fasting, it can a activate CPS1, the commit regulation of blood ammonia levels. Notable Publications Storage Storage Storage Storage Differ: PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20 <sup>°</sup> C storage	W:	
WB, IHC, EUSA   Cited Applications:   WB, IF, IP   Species Specificity:   Human   Cited Species:   human, mouse   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0   Background Information   SIRT5, a member fo sirtuin family that is a mitochor ribosyltransferases. Sirtuins play important role in n metabolism. SIRT5 mainly locates in. It is an efficient prolonged fasting, it can activate CPS1, the commit regulation of blood ammonia levels.   Notable Publications   Author   Qichao Huang   35451091   Chuan-Yi Zuo   Qifan Hu   37904651   Storage:   Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20°C storage	<b>V</b> :	
WB, IHC, EUSA     Cited Applications:     WB, IF, IP     Species Specificity:     Human     Cited Species:     human, mouse     Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information     SIRT5, a member fo sirtuin family that is a mitochor ribosyltransferases. Sirtuins play important role in n metabolism. SIRT5 mainly locates in. It is an effici prolonged fasting, it can activate CPS1, the commit regulation of blood ammonia levels.     Notable Publications     Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage: Store at -20°C.     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20°C storage		
WB, IF, IP     Species Specificity:     Human     Cited Species:     human, mouse     Note-IHC: suggested antigen retrieval with     TE buffer pH 9.0; (*) Alternatively, antigen     retrieval may be performed with citrate     buffer pH 6.0     Background Information     SIRT5, a member fo sirtuin family that is a mitochoor     ribosyltransferases. Sirtuins play important role inv     metabolism. SIRT5 mainly locates in . It is an efficit     prolonged fasting, it can activate CPS1, the commit     regulation of blood ammonia levels.     Notable Publications     Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage   Storage	Positive Cont WB : HeLa cell	rols: ls, HEK-293 cells, L02 cells, LNCaP cells,
Species Specificity:     Human     Cited Species:     human, mouse     Note-IHC: suggested antigen retrieval with     TE buffer pH 9.0; (*) Alternatively, antigen     retrieval may be performed with citrate     buffer pH 6.0     Background Information     SIRT5, a member fo sirtuin family that is a mitochor     ribosyltransferases. Sirtuins play important role in metabolism. SIRT5 mainly locates in. It is an efficiency     prolonged fasting, it can activate CPS1, the commit regulation of blood ammonia levels.     Notable Publications     Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage Buffer:     PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage	K-562 cells	
human, mouse     Note-IHC: suggested antigen retrieval with     TE buffer pH 9.0; (*) Alternatively, antigen     retrieval may be performed with citrate     buffer pH 6.0     SIRT5, a member fo sirtuin family that is a mitochor     ribosyltransferases. Sirtuins play important role in metabolism. SIRT5 mainly locates in . It is an efficience     prolonged fasting, it can activate CP51, the commit regulation of blood ammonia levels.     Notable Publications     Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20°C storage	IHC : numan li	iver cancer tissue, human heart tissue
TE buffer pH 9.0; (*) Alternatively, antiger     retrieval may be performed with citrate     buffer pH 6.0     Background Information     SIRT5, a member fo sirtuin family that is a mitochoor     ribosyltransferases. Sirtuins play important role in v     metabolism. SIRT5 mainly locates in. It is an efficiency     prolonged fasting, it can activate CP51, the commit     regulation of blood ammonia levels.     Notable Publications     Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage   Storage		
Notable Publications   Author   Pubmed ID     Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651		
Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage	various cellular processe ent protein lysine desuce	ed, such as aging, gene silencing and cinylase and demalonylase. During
Qichao Huang   35451091     Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage	Journal	Application
Chuan-Yi Zuo   39899130     Qifan Hu   37904651     Storage:   Storage:     Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol, pH     Aliquoting is unnecessary for -20°C storage	EMBO J	WB
Storage: Store at -20°C. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20°C storage	Inflammation	WB,IF
Store at -20°C. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH Aliquoting is unnecessary for -20°C storage	Adv Sci (Weinh)	WB,IF,IP
	17.3	
or technical support and original validation data for this product please contact:		exclusively available under Proteintec

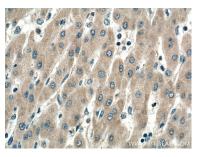
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com . W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data





HeLa cells were subjected to SDS PAGE followed by western blot with 67257-1-lg (SIRT5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 67257-1-1g (SIRT5 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).