For Research Use Only

Sam50 Polyclonal antibody Catalog Number: 28679-1-AP 4 Publications



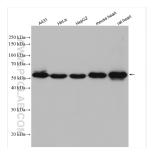
Size: G 150ul, Concentration: 900 ug/ml by 25 Nanodrop and 400 ug/ml by Bradford up method using BSA as the standard; 50 Source: Rabbit 50 Rabbit 50 50 Isotype: CC 126 IgG ce 60 Immunogen Catalog Number: AG29152 46 O 52 52 Applications: WB, IHC, IF/ICC, ELISA 60 Cited Applications: WB, IF, IP 5 Species Specificity: human, mouse, rat 61 Cited Species: human, mouse, rat 61 Note-IHC: suggested antigen retr 7E buffer pH 9.0; (*) Alternativel retrieval may be performed with buffer pH 6.0 53 Background Information Sam50, encoded by the SAMM50 gene, is contains a beta-barrel domain conserved assembly machinery (SAM) necessary for crucial for maintaining mitochondrial smitochondrial respiratory chain complex	tissur, rat l IHC : huma IF/ICC : Ha eval with , antigen citrate	cells, HeLa cells, HepG2 cells, mouse hea heart tissue an heart tissue, human liver cancer tissue
150ul, Concentration: 900 ug/ml by 25 Nanodrop and 400 ug/ml by Bradford ug/method using BSA as the standard; Q Source: Fit Rabbit Science: Rabbit Science: Isotype: Ccience IgG Ccience Immunogen Catalog Number: Ccience AG29152 Add O Science: WB, IHC, IF/ICC, ELISA Cited Applications: WB, IF, IP Species Specificity: Numan, mouse, rat Cited Species: Numan, mouse, rat Cited Species: Numan, mouse, rat Suffer pH 9.0; (*) Alternativel Retrieval may be performed with buffer pH 6.0 Background Information Sam50, encoded by the SAMM50 gene, is contains a beta-barrel domain conserver	A13 PROT ID: Y512 L Name: ing and assembly machinery ipponent 50 homolog (S. evisiae) culated MW: Paa, 52 kDa served MW: (Da Positive C WB : A431 tissur, rat I IHC : hum: IF/ICC : Hume eval with , antigen citrate	WB 1:2000-1:16000 IHC 1:50-1:500 IF/ICC 1:50-1:500 Controls: cells, HeLa cells, HepG2 cells, mouse hea heart tissue an heart tissue, human liver cancer tissue
method using BSA as the standard; Q Source: Ft Rabbit So Isotype: Co IgG Ce Immunogen Catalog Number: Ca AG29152 Ad Species Specificity: Numan, mouse, rat Note-IHC: suggested antigen retir Tested Species: Numan, mouse, rat Note-IHC: suggested antigen retir TE buffer pH 9.0; (*) Alternativel retrieval may be performed with buffer pH 6.0 Sam50, encoded by the SAMM50 gene, is Contains a beta-barrel domain conserver assembly machinery (SAM) necessary for crucial for maintaining mitochondrial sh mitochondrial respiratory chain complex	V512 L Name: ing and assembly machinery inponent 50 homolog (S. evisiae) culated MW: Paa, 52 kDa served MW: (Da Positive C WB : A431 tissur, rat I IHC : hum: IF/ICC : Hume eval with , antigen citrate	IF/ICC 1:50-1:500 Iontrols: cells, HeLa cells, HepG2 cells, mouse hea heart tissue an heart tissue, human liver cancer tissue
Source: Fill Rabbit Social Isotype: Cocial IgG Cocial Immunogen Catalog Number: Cocial AG29152 44 O Social Species Specificity: Numan, mouse, rat Cited Species: Numan, mouse, rat Note-IHC: suggested antigen retir TE buffer pH 9.0; (*) Alternativel retrieval may be performed with buffer pH 6.0 Background Information Sam50, encoded by the SAMM50 gene, is contains a beta-barrel domain conserved assembly machinery (SAM) necessary for crucial for maintaining mitochondrial s mitochondrial respiratory chain complex	L Name: Ling and assembly machinery nponent 50 homolog (S. evisiae) culated MW: Paa, 52 kDa served MW: (Da Positive C WB : A431 tissur, rat I IHC : huma IF/ICC : Huma eval with , antigen citrate	ontrols: cells, HeLa cells, HepG2 cells, mouse hea heart tissue an heart tissue, human liver cancer tissue
Rabbit 50 Isotype: 50 IgG 62 Immunogen Catalog Number: 64 AG29152 44 O 53 Applications: WB, IHC, IF/ICC, ELISA Cited Applications: WB, IF, IP Species Specificity: human, mouse, rat Cited Species: human, mouse, rat Note-IHC: suggested antigen retr TE buffer pH 9.0; (*) Alternativel retrieval may be performed with buffer pH 6.0 Background Information Sam50, encoded by the SAMM50 gene, is contains a beta-barrel domain conserver assembly machinery (SAM) necessary for crucial for maintaining mitochondrial sh mitochondrial respiratory chain complex	ting and assembly machinery hponent 50 homolog (S. evisiae) culated MW: baa, 52 kDa served MW: kDa Positive C WB : A431 tissur, rat I IHC : huma IF/ICC : He eval with , antigen citrate	cells, HeLa cells, HepG2 cells, mouse hea heart tissue an heart tissue, human liver cancer tissue
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	the assembly of beta-barrel p pe, morphology of mitochond ss (PMID: 26587038; 22252321	4570913). Sam50 is a part of the sorting a roteins in the OMM (PMID: 22252321). It is
Notable Publications Author Pubme	IID Journal	Application
Ran Xu 34631	40 Front Cardiovasc	
Sofia Geroyska 38949		nun WB
Yufei Zhou 38723		WB,IF,IP
Storage: Store at -20°C. Stable for one year after s Storage Buffer: PBS with 0.02% sodium azide and 50% §		
Aliquoting is unnecessary for -20°C store	• •	
*** 20ul sizes contain 0.1% BSA		

in USA), or 1(312) 455-8498 (outside USA)

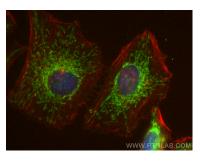
Proteintech@ptg
W: ptglab.com

other manufacturer.

Selected Validation Data



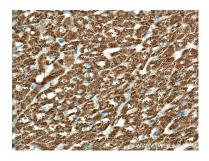
A431 cells were subjected to SDS PAGE followed by western blot with 28679-1-AP (SAMM50 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Sam50 antibody (28679-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 28679-1-AP (Sam50 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 28679-1-AP (Sam50 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).