

For Research Use Only

SIRT5 Recombinant antibody, PBS Only

Catalog Number: 82246-1-PBS



Basic Information

Catalog Number: 82246-1-PBS	GenBank Accession Number: BC000126	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 23408	CloneNo.: 7L20
Source: Rabbit	UNIPROT ID: Q9NXA8	
Isotype: IgG	Full Name: sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	
Immunogen Catalog Number: AG7195	Calculated MW: 34 kDa	
	Observed MW: 32-33 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

SIRT5, a member of sirtuin family that is a mitochondrial matrix NAD(+)-dependent deacetylase and mono-ADP-ribosyltransferases. Sirtuins play important role in various cellular processes, such as aging, gene silencing and metabolism. SIRT5 mainly locates in cytoplasm. It is an efficient protein lysine desuccinylase and demalonylase. During prolonged fasting, it can activate CPS1, the committed and regulated enzyme of the urea cycle, and this contributes to the regulation of blood ammonia levels.

Storage

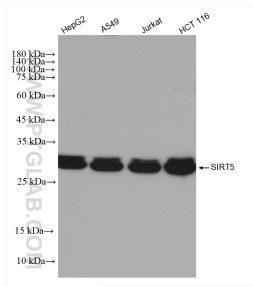
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

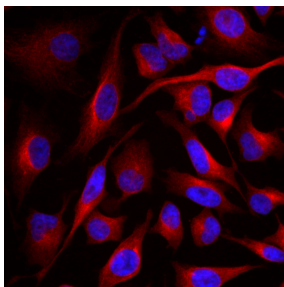
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

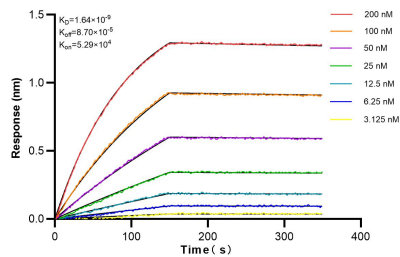
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82246-1-RR (SIRT5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82246-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SIRT5 antibody (82246-1-RR, Clone: 7L20) at dilution of 1:1200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). This data was developed using the same antibody clone with 82246-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82246-1-RR against Human SIRT5 were performed. The affinity constant is 1.64 nM.