

For Research Use Only

STAMB P Recombinant monoclonal antibody

Catalog Number: 86601-3-RR



Basic Information

Catalog Number:	86601-3-RR	GenBank Accession Number:	BC007682	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	10617	CloneNo.:	251545B3
Isotype:	IgG	UNIPROT ID:	O95630	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG1895	Full Name:	STAM binding protein		
		Calculated MW:	48 kDa		
		Observed MW:	48 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	WB: A549 cells, NIH/3T3 cells, rat brain tissue, Jurkat cells, SW480 cells, K-562 cells, mouse brain tissue
Species Specificity:	human, mouse, rat	IF/ICC :	K-562 cells,

Background Information

STAM-binding protein (STAMB P) is also named AMSH. STAMB P, a member of the Jab1/MPN metalloenzyme family of deubiquitinating enzymes (DUBs), specifically cleaves K63-linked polyubiquitination chains from substrates (PMID: 15314065, PMID: 26601948). STAMB P is implicated in the endosome-lysosome pathway and shuttles ubiquitinated substrate proteins to lysosomes for degradation (PMID: 10383417, PMID: 24151880). STAMB P regulates protein degradation by binding to the ESCRT-0 protein STAM and the charged multivesicular body proteins of the ESCRT-III complex (PMID: 20159979). STAMB P is implicated in the inflammatory response by promoting the deubiquitination and stabilization of NALP7 and increasing the activity of inflammasomes (PMID: 28492230). STAMB P expression was increased in the cytoplasm of tumor cells from LUAD patients. STAMB P overexpression promoted cell migration and invasion, whereas STAMB P knockdown attenuated these processes in LUAD cells after epidermal growth factor treatment (PMID: 3410245).

Storage

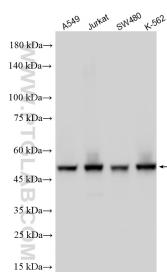
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

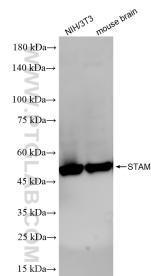
W: ptgcn.com

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

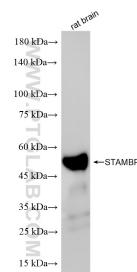
Selected Validation Data



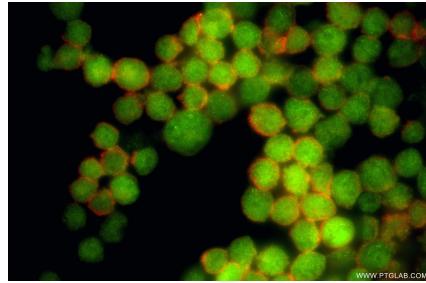
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



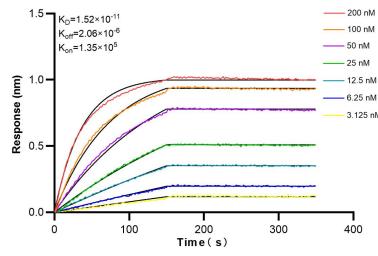
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Rat brain tissue was subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using STAMBp antibody (86601-3-RR, Clone: 251545B3) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86601-3-RR against Human STAMBp were performed. The affinity constant is 15.2 pM.