

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
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	10617	CloneNo.:	251545B3
Source:	Rabbit	UNIPROT ID:	O95630	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Isotype:	IgG	Full Name:	STAM binding protein		
Immunogen Catalog Number:	AG1895	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

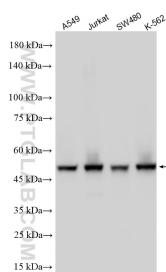
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

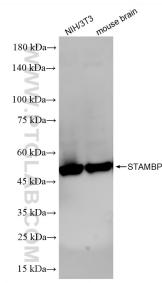
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

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

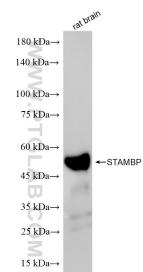
## Selected Validation Data



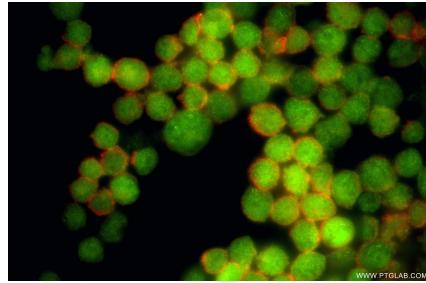
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



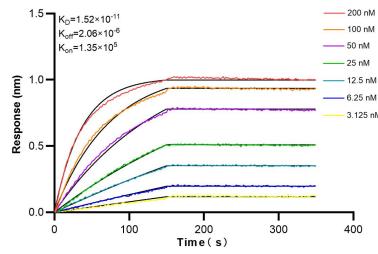
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBp antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.