

For Research Use Only

STAMB P Recombinant monoclonal antibody, PBS Only

Catalog Number: 86601-3-PBS



Basic Information

Catalog Number:	86601-3-PBS	GenBank Accession Number:	BC007682	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	10617	CloneNo.:	251545B3
Source:	Rabbit	UNIPROT ID:	O95630	Full Name:	STAM binding protein
Isotype:	IgG	Calculated MW:	48 kDa	Observed MW:	48 kDa
Immunogen Catalog Number:	AG1895				

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

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

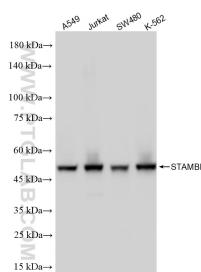
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

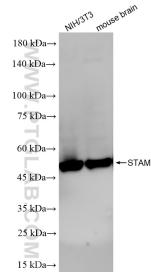
E: proteintech@ptglab.com
W: ptglab.com

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

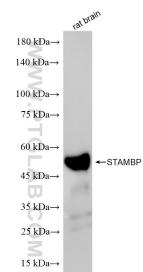
Selected Validation Data



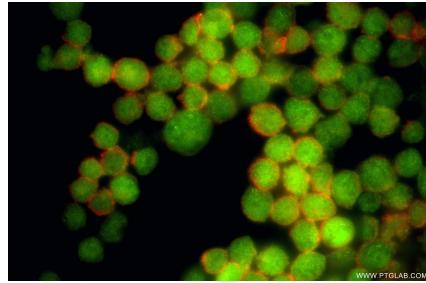
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86601-3-PBS in a different storage buffer formulation.



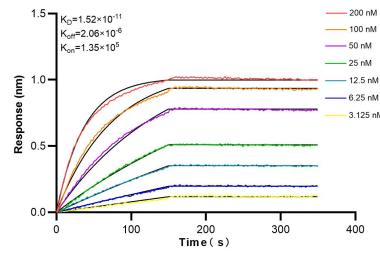
Various lysates were subjected to SDS PAGE followed by western blot with 86601-3-RR (STAMBP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86601-3-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 86601-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86601-3-PBS in a different storage buffer formulation.



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