

# STAMBPL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP5326C

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q96FJ0</a>
<b>Other Accession</b>	<a href="#">NP_065850.1</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB26763
<b>Calculated MW</b>	49783
<b>Antigen Region</b>	135-163

## Additional Information

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<b>Gene ID</b>	57559
<b>Other Names</b>	AMSH-like protease, AMSH-LP, 3419-, STAM-binding protein-like 1, STAMBPL1, AMSHLP, KIAA1373
<b>Target/Specificity</b>	This STAMBPL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-163 amino acids from the Central region of human STAMBPL1.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	STAMBPL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	STAMBPL1 {ECO:0000303   PubMed:35114100, ECO:0000312   HGNC:HGNC:24105}
<b>Function</b>	Zinc metalloprotease that specifically cleaves 'Lys-63'- linked polyubiquitin

chains (PubMed:[18758443](#), PubMed:[35114100](#)). Acts as a positive regulator of the TORC1 signaling pathway by mediating 'Lys- 63'-linked deubiquitination of SESN2, thereby inhibiting SESN2- interaction with the GATOR2 complex (PubMed:[35114100](#)). Does not cleave 'Lys-48'-linked polyubiquitin chains (PubMed:[18758443](#)).

**Tissue Location** Ubiquitously expressed.

## Background

STAMBPL1 is zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains.

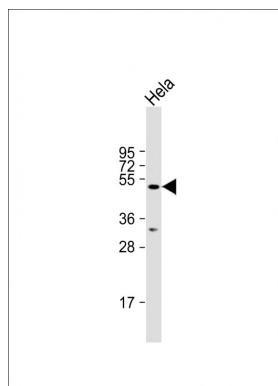
## References

Reyes-Ibarra, A.P., et al. Mol. Endocrinol. 21(6):1394-1407(2007)

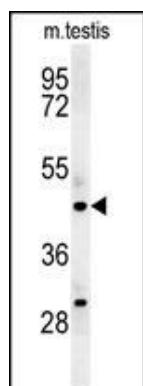
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

Nakamura, M., et al. Genes Cells 11(6):593-606(2006)

## Images

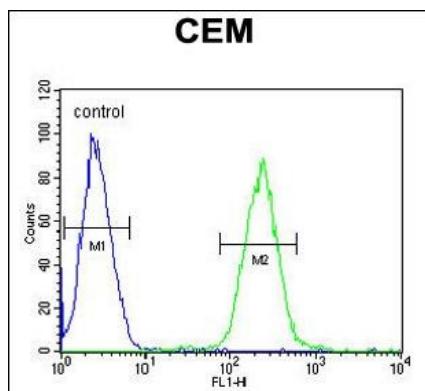
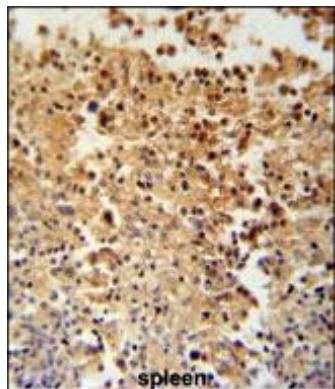


Anti-STAMBPL1 Antibody (Center) at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



STAMBPL1 Antibody (Center)(Cat. #AP5326c) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the STAMBPL1 antibody detected STAMBPL1 protein (arrow).

STAMBPL1 Antibody (Center) (Cat. #AP5326c) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the STAMBPL1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



STAMBPL1 Antibody (Center) (Cat. #AP5326c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.