

Rabbit MBTPS1 Polyclonal Antibody | anti-MBTPS1 antibody

MBTPS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324824	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MBTPS1; Polyclonal Antibody; MBTPS1 Antibody; kexin isozyme 1; KIAA0091; membrane bound transcription factor peptidase; site 1; MGC138711; MGC138712; PCSK8; S1P; S1P endopeptidase; Site 1 protease; SKI 1; SKI1; Subtilisin isozyme 1; Subtilisin/kexin isozyme 1; anti-MBTPS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MBTPS1 antibody detects endogenous levels of total MBTPS1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1052
Applicable Applications for anti-MBTPS1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane; Single-Pass Type I Membrane Protein. Golgi Apparatus Membrane; Single-Pass Type I Membrane Protein.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Hela, using MBTPS1 Antibody. Lane 1 was treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324824 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat/COLO205 cells, using MBTPS1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MBTPS1 antibody	Function: Serine protease that catalyzes the first step in the proteolytic activation of the sterol regulatory element-binding proteins (SREBPs). Other known substrates are BDNF, GNPTAB and ATF6. Cleaves after hydrophobic or small residues, provided that Arg or Lys is in position P4. Cleaves known substrates after Arg-Ser-Val-Leu (SERBP-2), Arg-His-Leu-Leu (ATF6), Arg-Gly-Leu-Thr (BDNF) and its own propeptide after Arg-Arg-Leu-Leu. Mediates the protein cleavage of GNPTAB into subunit alpha and beta, thereby participating in biogenesis of lysosomes. Post-translational Modifications: The 148 kDa zymogen is processed progressively into two membrane-bound 120 and 106 kDa forms in the endoplasmic reticulum, and late into a secreted 98 kDa form. The propeptide is autocatalytically removed through an intramolecular cleavage after Leu-186. Further cleavage generates 14, 10, and 8 kDa intermediates. Similarity: Belongs to the peptidase S8 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506775
NCBI GeneID	8720
NCBI Accession #	NP_003782.1
NCBI GenBank Nucleotide #	NM_003791.3
UniProt Accession #	Q14703; Q24JQ2; Q9UF67; A8K6V8
Molecular Weight	Observed: 117 kD Predicted: 118 kDa
NCBI Official Full Name	membrane-bound transcription factor site-1 protease preproprotein
NCBI Official Synonym Full Names	membrane bound transcription factor peptidase, site 1
NCBI Official Symbol	MBTPS1
NCBI Official Synonym Symbols	S1P; PCSK8; SKI-1
NCBI Protein Information	membrane-bound transcription factor site-1 protease
UniProt Protein Name	Membrane-bound transcription factor site-1 protease
UniProt Gene Name	MBTPS1
UniProt Synonym Gene Names	KIAA0091; S1P; SKI1; SKI-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mbtps1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324824>