

Anti-SKI-1 antibody



Description	Rabbit polyclonal to SKI-1.
Model	STJ95674
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human SKI-1
Immunogen Region	180-260 aa, C-terminal
Gene ID	8720
Gene Symbol	MBTPS1
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	SKI-1 Polyclonal Antibody detects endogenous levels of SKI-1 protein.
Tissue Specificity	Widely expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Membrane-bound transcription factor site-1 protease Endopeptidase S1P Subtilisin/kexin-isozyme 1 SKI-1
Molecular Weight	20 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15456OMIM:603355
Alternative Names	Membrane-bound transcription factor site-1 protease Endopeptidase S1P Subtilisin/kexin-isozyme 1 SKI-1
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.
Cellular Localization	Endoplasmic reticulum membrane Golgi apparatus membrane. May sort to other organelles, including lysosomal and/or endosomal compartments.
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.