

MBTPS1 Antibody

Catalog No: #34783

Package Size: #34783-1 50ul #34783-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

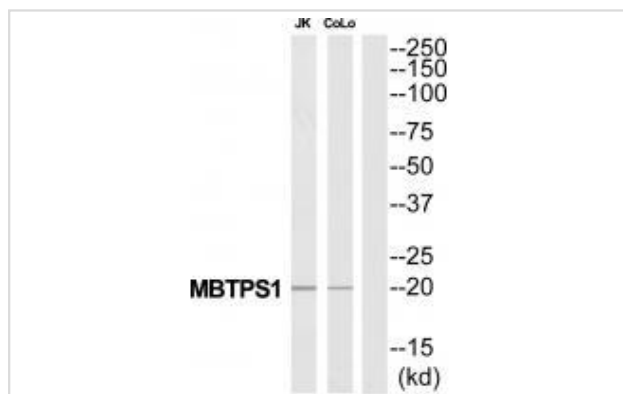
Description

Product Name	MBTPS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total MBTPS1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human MBTPS1.
Target Name	MBTPS1
Other Names	Endopeptidase S1P; KIAA0091; MBTP1; MBTPS1; membrane-bound transcription factor peptidase
Accession No.	Swiss-Prot: Q14703NCBI Gene ID: 8720
Uniprot	Q14703
GeneID	8720;
SDS-PAGE MW	19kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from Jurkat/COLO205 cells, using MBTPS1 antibody #34783.

Background

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.

Nakajima T., J. Hum. Genet. 45:212-217(2000).

Nagase T., DNA Res. 2:37-43(1995).

Bechtel S., BMC Genomics 8:399-399(2007).

Note: This product is for in vitro research use only