

Rabbit anti-Human, Mouse Matriptase Polyclonal Antibody | anti-MTSP1 antibody

Matriptase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322552	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Matriptase; Polyclonal Antibody; Matriptase Antibody; Epithin; HAI; Membrane type serine protease 1; Membrane type serine protease; Membrane-type serine protease 1; MT SP1; MT-SP1; MTSP 1; Prostamin; PRSS 14; PRSS14; Serine protease 14; Serine protease TADG 15; Serine protease TADG-15; Serine protease TADG15; SNC 19; SNC19; ST 14; ST14; ST14_HUMAN; Suppression of tumorigenicity 14 (colon carcinoma matriptase epithin); Suppression of tumorigenicity 14 (colon carcinoma); Suppression of tumorigenicity 14; Suppressor of tumorigenicity 14 protein; Suppressor of tumorigenicity protein 14; TADG 15; TADG15; TMPRSS14; Tumor associated differentially expressed gene 15 protein; Tumor-associated differentially-expressed gene 15 protein; anti-MTSP1 antibody

PRODUCT SPECIFICATIONS

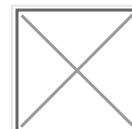
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Matriptase antibody detects endogenous levels of total Matriptase
Purity/Purification	Peptide affinity purification.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	855
Applicable Applications for anti-MTSP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Matriptase, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Note	Important: For western blots, incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322552 staining A549 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Matriptase using A549 whole cell lysates



IHC (Immunohistochemistry)

AAA322552 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MTSP1 antibody	Function: Degrades extracellular matrix. Proposed to play a role in breast cancer invasion and metastasis. Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site. Involved in the terminal differentiation of keratinocytes through prostaticin (PRSS8) activation and filaggrin (FLG) processing. Subunit Structure: Interacts with CDCP1. May interact with TMEFF1. Similarity: Belongs to the peptidase S1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11415040
NCBI GeneID	6768
NCBI Accession #	NP_068813.1
NCBI GenBank Nucleotide #	NM_021978.3
UniProt Accession #	Q9Y5Y6; Q9BS01; Q9H3S0; Q9HB36; Q9HCA3
Molecular Weight	95 kDa
NCBI Official Full Name	suppressor of tumorigenicity 14 protein
NCBI Official Synonym Full Names	suppression of tumorigenicity 14
NCBI Official Symbol	ST14
NCBI Official Synonym Symbols	HAI; MTSP1; SNC19; ARCI11; MT-SP1; PRSS14; TADG15; TMPRSS14
NCBI Protein Information	suppressor of tumorigenicity 14 protein
UniProt Protein Name	Suppressor of tumorigenicity 14 protein
UniProt Gene Name	ST14
UniProt Synonym Gene Names	PRSS14; SNC19; TADG15; MT-SP1

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.