

TMPRSS13 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54929**Specification****TMPRSS13 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BYE2
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TMPRSS13
Epitope Specificity	321-420/586
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the peptidase S1 family. Contains 1 LDL-receptor class A domain. Contains 1 peptidase S1 domain. Contains 1 SRCR domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of the type II transmembrane serine protease family. Transmembrane serine proteases are regulated by protease inhibitors and known to function in development, homeostasis, infection, and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

TMPRSS13 Polyclonal Antibody - Additional Information**Gene ID** 84000**Other Names**

Transmembrane protease serine 13, 3.4.21.-, Membrane-type mosaic serine protease, Mosaic serine protease, TMPRSS13, MSP, TMPRSS11

Target/Specificity

Isoform 1 and isoform 3 are predominantly expressed in lung, placenta, pancreas, and prostate. Isoform 3 is weakly expressed in testis and peripheral blood lymphocytes.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

TMPRSS13 Polyclonal Antibody - Protein Information

Name TMPRSS13

Synonyms MSP, TMPRSS11

Function

Serine protease (PubMed:[20977675](http://www.uniprot.org/citations/20977675), PubMed:[28710277](http://www.uniprot.org/citations/28710277), PubMed:[34562451](http://www.uniprot.org/citations/34562451)). Cleaves the proform of PRSS8/prostasin to form the active protein (PubMed:[34562451](http://www.uniprot.org/citations/34562451)). Cleaves the proform of HGF to form the active protein which promotes MAPK signaling (PubMed:[20977675](http://www.uniprot.org/citations/20977675)). Promotes the formation of the stratum corneum and subsequently the epidermal barrier in embryos (By similarity).

Cellular Location

Cell membrane; Single-pass type II membrane protein. Secreted. Cytoplasm Note=The non-phosphorylated, inactive full length protein localizes intracellularly (PubMed:28710277). N-glycosylation and phosphorylation is required for trafficking to the cell surface (PubMed:28710277, PubMed:34562451, PubMed:35796294). Interaction with SPINT1/HAI-1 and SPINT2/HAI-2 facilitate its translocation to the cell surface (PubMed:34562451, PubMed:35796294). Proteolytic cleavage is required for secretion (PubMed:35796294).

Tissue Location

Expressed in placenta. [Isoform 3]: Expressed in lung, placenta, pancreas, and prostate (PubMed:11267681). Weakly expressed in testis and peripheral blood lymphocytes (PubMed:11267681)

TMPRSS13 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TMPRSS13 Polyclonal Antibody - Images