

TMPRSS13 Rabbit pAb

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Catalog # AP54929

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BYE2
Predicted	Rat, Dog, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63167
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.
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]

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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.

Protein Information

Name	TMPRSS13
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Synonyms	MSP, TMPRSS11
Function	Serine protease (PubMed: 20977675 , PubMed: 28710277 , PubMed: 34562451). Cleaves the proform of PRSS8/prostasin to form the active protein (PubMed: 34562451). Cleaves the proform of HGF to form the active protein which promotes MAPK signaling (PubMed: 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)

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.