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Transmembrane Protease Serine 2 Rabbit mAb

Catalog # AP79050

Specification

Transmembrane Protease Serine 2 Rabbit mAb - Product Information

Application	**WB, IHC**
Primary Accession	O15393
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**53859**

Transmembrane Protease Serine 2 Rabbit mAb - Additional Information

Gene ID 7113

Other Names
TMPRSS2

Dilution
WB~~1/500-1/1000
IHC~~1/50-1/100

Format
Liquid

Transmembrane Protease Serine 2 Rabbit mAb - Protein Information

Name TMPRSS2 (HGNC:11876)

Synonyms PRSS10

Function
Plasma membrane-anchored serine protease that cleaves at arginine residues (PubMed:32703818, PubMed:35676539, PubMed:37990007, PubMed:38964328). Participates in proteolytic cascades of relevance for the normal physiologic function of the prostate (PubMed:25122198). Androgen-induced TMPRSS2 activates several substrates that include pro- hepatocyte growth factor/HGF, the protease activated receptor-2/F2RL1 or matriptase/ST14 leading to extracellular matrix disruption and metastasis of prostate cancer cells (PubMed:15537383, PubMed:25122198, PubMed:26018085). In addition, activates trigeminal neurons and contribute to both spontaneous pain and mechanical allodynia (By similarity).

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Cellular Location
Cell membrane; Single-pass type II membrane protein

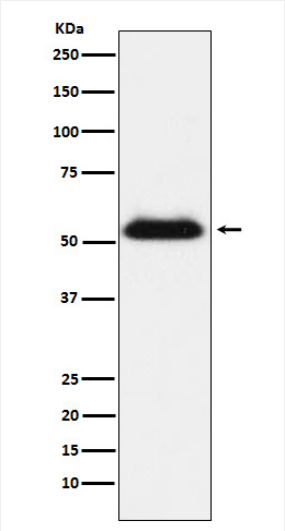
Tissue Location
Expressed in several tissues that comprise large populations of epithelial cells with the highest level of transcripts measured in the prostate gland. Expressed in type II pneumocytes in the lung (at protein level). Expressed strongly in small intestine. Also expressed in colon, stomach and salivary gland. Coexpressed with ACE2 within lung type II pneumocytes, ileal absorptive enterocytes, intestinal epithelial cells, cornea, gallbladder and nasal goblet secretory cells (Ref.21). {ECO:0000269|PubMed:11169526, ECO:0000269|PubMed:20382709, ECO:0000269|PubMed:21325420, ECO:0000269|PubMed:32404436, ECO:0000269|Ref.21}

Transmembrane Protease Serine 2 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Transmembrane Protease Serine 2 Rabbit mAb - Images



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