10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TMPRSS4 Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS11191

Specification

TMPRSS4 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q9NRS4
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48kDa KDa**

TMPRSS4 Antibody (Internal) - Additional Information

Gene ID 56649

Other Names
Transmembrane protease serine 4, 3.4.21.-, Channel-activating protease 2, CAPH2, Membrane-type serine protease 2, MT-SP2, TMPRSS4, TMPRSS3

Target/Specificity
Human TMPRSS4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
TMPRSS4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

TMPRSS4 Antibody (Internal) - Protein Information

Name TMPRSS4 (HGNC:11878)

Function
Plasma membrane-anchored serine protease that directly induces processing of pro-uPA/PLAU into the active form through proteolytic activity (PubMed:24434139). Seems to be capable of activating ENaC (By similarity).

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

Tissue Location
High levels in pancreatic, gastric, colorectal and ampullary cancer. Very weak expression in normal gastrointestinal and urogenital tract (PubMed:10825129). Coexpressed with ACE2 within mature

enterocytes (PubMed:32404436).

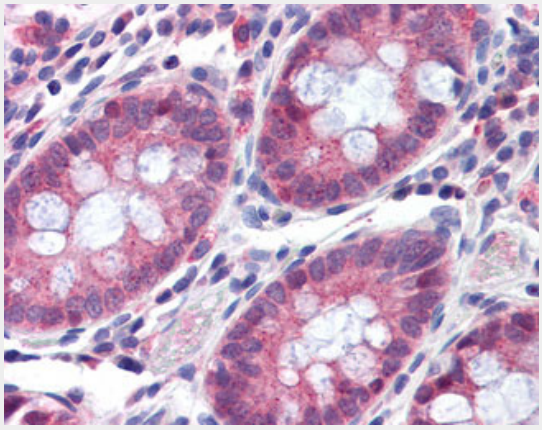
Volume
50 µl

TMPRSS4 Antibody (Internal) - 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

TMPRSS4 Antibody (Internal) - Images



Anti-TMPRSS4 antibody ALS11191 IHC of human colon.

TMPRSS4 Antibody (Internal) - Background

Probable protease. Seems to be capable of activating ENaC (By similarity).

TMPRSS4 Antibody (Internal) - References

Wallrapp C.,et al.Cancer Res. 60:2602-2606(2000).
Smeekens S.S.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Taylor T.D.,et al.Nature 440:497-500(2006).