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 # ALS11192**

## 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, except CDH23 (56%).

**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:<a href="http://www.uniprot.org/citations/24434139" target="_blank">24434139</a>). 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

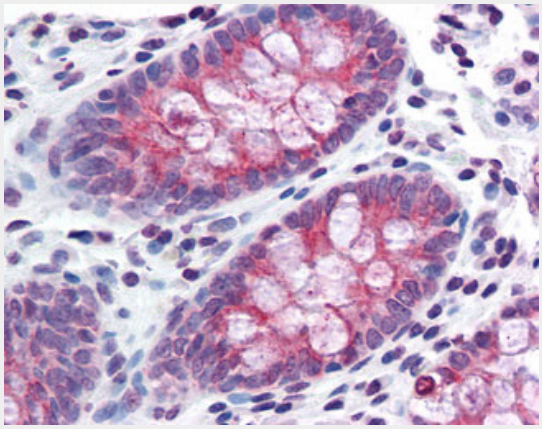
enterocytes (PubMed:32404436).

### 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 ALS11192 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).
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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).