

TMPRSS4 (aa245-57) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2690a**Specification**

TMPRSS4 (aa245-57) Antibody (internal region) - Product Information

Application	WB
Primary Accession	O9NRS4
Other Accession	NP_063947.1 , NP_001077416.1 , 56649
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	48246

TMPRSS4 (aa245-57) Antibody (internal region) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TMPRSS4 (aa245-57) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TMPRSS4 (aa245-57) Antibody (internal region) - 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

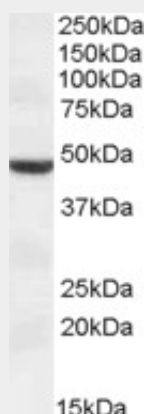
Tissue Location

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).

TMPRSS4 (aa245-57) Antibody (internal region) - 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](#)

TMPRSS4 (aa245-57) Antibody (internal region) - Images

AF2690a (1 µg/ml) staining of HEK293 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TMPRSS4 (aa245-57) Antibody (internal region) - Background

This antibody is expected to recognise both reported isoforms (NP_063947.1 and NP_001077416.1).

TMPRSS4 (aa245-57) Antibody (internal region) - References

Structural templates predict novel protein interactions and targets from pancreas tumour gene expression data. Dawelbait G, Winter C, Zhang Y, Pilarsky C, Grutzmann R, Heinrich JC, Schroeder M. Bioinformatics. 2007 Jul 1;23(13):i115-24. PMID: 17646287