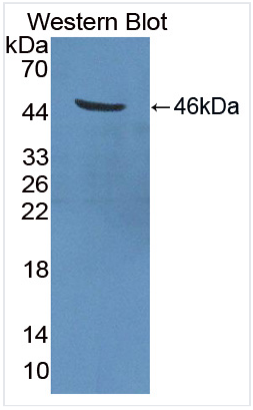
Transmembrane Protease (TMPRSS4) Antibody – Rabbit Polyclonal

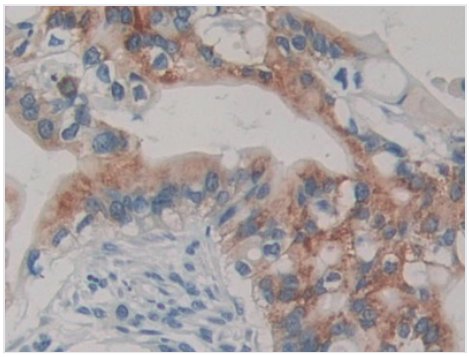
PRODUCT OVERVIEW

Product Name	Transmembrane Protease (TMPRSS4), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Transmembrane Protease, Serine 4 (TMPRSS4)
Product Gene Name	anti-TMPRSS4 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	500ug/mL (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against TMPRSS4. It has beenselected for its ability to recognize TMPRSS4 in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) Immunogen: TMPRSS4 (MBS2029055)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) APC-CY7 Conjugated Antibody: TMPRSS4 (MBS2077196)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) PE Conjugated Antibody: TMPRSS4 (MBS2077197)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) APC Conjugated Antibody: TMPRSS4 (MBS2077198)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) Cy3 Conjugated Antibody: TMPRSS4 (MBS2077199)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) FITC Conjugated Antibody: TMPRSS4 (MBS2077200)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) HRP Conjugated Antibody: TMPRSS4 (MBS2077201)
Matching Pairs	Unconjugated Antibody: Transmembrane Protease (MBS2027927) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Transmembrane Protease (MBS2027927) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: TMPRSS4 (MBS2027927) Biotin Conjugated Antibody: TMPRSS4 (MBS2096058)
Molecular Weight	43,786 Da
OMIM	AF179224 mRNA
3D Structure	ModBase 3D Structure for Q9NRS4

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Fragment	TMPRSS4 (Lys54~Leu437)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant TMPRSS4 (Lys54~Leu437) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2077198
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TMPRSS4 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-TMPRSS4 antibody	Western blotting: 0.5-2ug/mL Immunohistochemistry: 5-20ug/mL Immunocytochemistry: 5-20ug/mL Optimal working dilutions must be determined by end user.
Related Product Information for anti-TMPRSS4 antibody	MBS2027927 is an antibody targeting TMPRSS4. Also known as Polyclonal Antibody to Transmembrane Protease, Serine 4 (TMPRSS4). Reactive in Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TMPRSS4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TMPRSS4 antibody
Western Blot: Sample: Recombinant protein.



Immunohistochemistry (IHC) of anti-TMPRSS4 antibody
DAB staining on IHC-P; Samples: Human Bile duct cancer Tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMPRSS4. It may not necessarily be applicable to this product.

NCBI GI #	145701030
NCBI GeneID	56649
NCBI Accession #	NP_001077416.1
UniProt Primary Accession #	Q9NRS4
UniProt Secondary Accession #	Q5XKQ6; Q6UX37; Q9NZA5; A8MU84; B0YJB0; B7Z8C5; E7ERX8
UniProt Related Accession #	Q9NRS4
GenBank Nucleotide #	NM_001083947.1
NCBI Official Full Name	transmembrane protease serine 4 isoform 3

NCBI Official Synonym Full Names	transmembrane protease, serine 4
NCBI Official Symbol	TMPRSS4
NCBI Official Synonym Symbols	CAPH2; MT-SP2; TMPRSS3
UniProt Protein Name	Transmembrane protease serine 4
UniProt Synonym Protein Names	Channel-activating protease 2; CAPH2; Membrane-type serine protease 2; MT-SP2
Protein Family	Transmembrane protease serine
UniProt Gene Name	TMPRSS4
UniProt Synonym Gene Names	TMPRSS3; CAPH2; MT-SP2
NCBI Protein Information	transmembrane protease serine 4
NCBI Summary for TMPRSS4	This gene encodes a member of the serine protease family. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for TMPRSS4	TMPRSS4: Probable protease. Seems to be capable of activating ENaC. Belongs to the peptidase S1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.21.-; Membrane protein, integral; Protease Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: integral component of membrane Molecular Function: protein binding; scavenger receptor activity; serine-type endopeptidase activity Biological Process: proteolysis; receptor-mediated endocytosis
Research Articles on TMPRSS4	**1.** TMPRSS4 is a novel independent prognostic biomarker regulated by epigenetic changes in lung squamous cell carcinomas
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/polyclonal-tmprss4-human-rat-antibody/transmembrane-protease/2027927