TMPRSS4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TMPRSS4, Polyclonal Antibody
Full Product Name	TMPRSS4 Conjugated Antibody
Product Gene Name	anti-TMPRSS4 antibody
Product Synonym Names	CAPH2; MT-SP2; TMPRSS3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total TMPRSS4 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	43,786 Da
OMIM	606565
3D Structure	ModBase 3D Structure for Q9NRS4
Immunogen	Fusion protein of human transmembrane protease, serine 4
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-TMPRSS4 antibody	Most Applications
Application Notes for anti-TMPRSS4 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-TMPRSS4 antibody	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.
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.
Searchable Terms for TMPRSS4 purchase	MBS9449338 is an antibody targeting TMPRSS4. Also known as TMPRSS4 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	33991397
NCBI GeneID	56649
NCBI Accession #	BC011703
UniProt Primary Accession #	Q9NRS4
UniProt Secondary Accession #	Q5XKQ6; Q6UX37; Q9NZA5; A8MU84; B0YJB0; B7Z8C5; E7ERX8
UniProt Related Accession #	Q9NRS4
NCBI Official Full Name	Homo sapiens transmembrane protease, serine 4, mRNA
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
UniProt Entry Name	TMPS4_HUMAN
NCBI Protein Information	transmembrane protease serine 4
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.-; Protease; Membrane protein, integral Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: integral to membrane Molecular Function: serine-type endopeptidase activity; scavenger receptor activity Biological Process: receptor-mediated endocytosis; proteolysis
Research Articles on TMPRSS4	**1.** The increase of TMPRSS4 expression may be a key event for HCC progression and may be regarded as a potential prognostic marker for HCC.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tmprss4/9449338