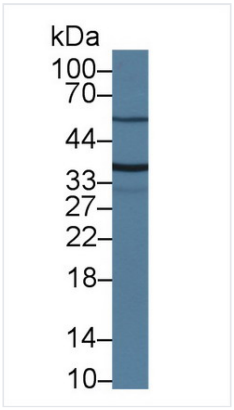
Transmembrane Protease (TMPRSS2) Antibody – Rabbit Polyclonal

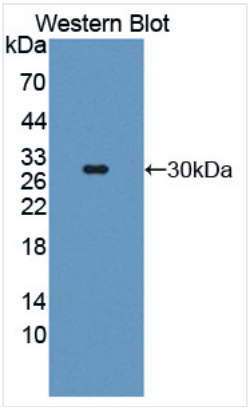
PRODUCT OVERVIEW

Product Name	Transmembrane Protease (TMPRSS2), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Transmembrane Protease, Serine 2 (TMPRSS2)
Product Gene Name	anti-TMPRSS2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	500ug/mL (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against TMPRSS2. It has beenselected for its ability to recognize TMPRSS2 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: TMPRSS2 (MBS2026181) Immunogen: TMPRSS2 (MBS2030954)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) APC-CY7 Conjugated Antibody: TMPRSS2 (MBS2068265)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) PE Conjugated Antibody: TMPRSS2 (MBS2068266)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) APC Conjugated Antibody: TMPRSS2 (MBS2068267)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) Cy3 Conjugated Antibody: TMPRSS2 (MBS2068268)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) FITC Conjugated Antibody: TMPRSS2 (MBS2068269)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) HRP Conjugated Antibody: TMPRSS2 (MBS2068270)
Matching Pairs	Unconjugated Antibody: Transmembrane Protease (MBS2026181) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Transmembrane Protease (MBS2026181) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: TMPRSS2 (MBS2026181) Biotin Conjugated Antibody: TMPRSS2 (MBS2094885)
Molecular Weight	53,526 Da
3D Structure	ModBase 3D Structure for Q9JIQ8
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

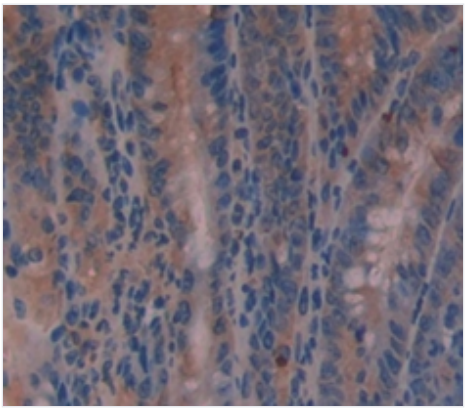
Fragment	TMPRSS2 (Ile254~Ser490)
Organism Species	Mus musculus (Mouse)
Cross Reactivity	Mouse
Conjugate	No Conjugate
Immunogen	Recombinant TMPRSS2 (Ile254~Ser490) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2068267
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TMPRSS2 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-TMPRSS2 antibody	Western blotting: 0.2-2ug/mL;1:250-2500 Immunohistochemistry: 5-20ug/mL;1:25-100 Immunocytochemistry: 5-20ug/mL;1:25-100 Optimal working dilutions must be determined by end user.
Related Product Information for anti-TMPRSS2 antibody	MBS2026181 is an antibody targeting TMPRSS2. Also known as Polyclonal Antibody to Transmembrane Protease, Serine 2 (TMPRSS2). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-TMPRSS2 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-TMPRSS2 antibody
Western Blot: Sample: Mouse Kidney lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse TMPRSS2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Western Blot (WB) of anti-TMPRSS2 antibody
Western Blot: Sample: Recombinant protein.



Immunohistochemistry (IHC) of anti-TMPRSS2 antibody
DAB staining on IHC-P. Samples: Mouse Tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMPRSS2. It may not necessarily be applicable to this product.

NCBI GI #	34328226
NCBI GeneID	50528
NCBI Accession #	NP_056590.2
UniProt Primary Accession #	Q9JIQ8
UniProt Secondary Accession #	Q7TN04; Q9JKC4; Q9QY82
UniProt Related Accession #	Q9JIQ8
GenBank Nucleotide #	NM_015775.2
NCBI Official Full Name	transmembrane protease serine 2
NCBI Official Synonym Full Names	transmembrane protease, serine 2
NCBI Official Symbol	Tmprss2
NCBI Official Synonym Symbols	D16Ertd61e
UniProt Protein Name	Transmembrane protease serine 2
UniProt Synonym Protein Names	Epitheliasin; Plasmic transmembrane protein X
Protein Family	Transmembrane protease serine
UniProt Gene Name	Tmprss2
NCBI Protein Information	transmembrane protease serine 2
UniProt Comments for TMPRSS2	TMPRSS2: a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008] Protein type: EC 3.4.21.-; Membrane protein, integral; Protease Chromosomal Location of Human Ortholog: 16 C4|16 57.53 cM Cellular Component: extracellular region; integral component of membrane; membrane; plasma membrane Molecular Function: hydrolase activity; peptidase activity; scavenger receptor activity; serine-type endopeptidase activity; serine-type peptidase activity Biological Process: positive regulation of virion penetration into host cell; protein autoprocessing; proteolysis
Research Articles on TMPRSS2	**1.** DPP4:CD9:TTSP as the protein complexes are necessary for early efficient MERS-coronavirus entry.
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.
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