

Rabbit Matriptase 2/TMPRSS6 Polyclonal Antibody | anti-TMPRSS6 antibody

Anti-Matriptase 2/TMPRSS6 Antibody Picoband

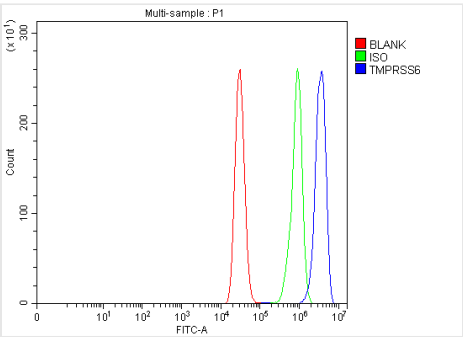
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126198	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

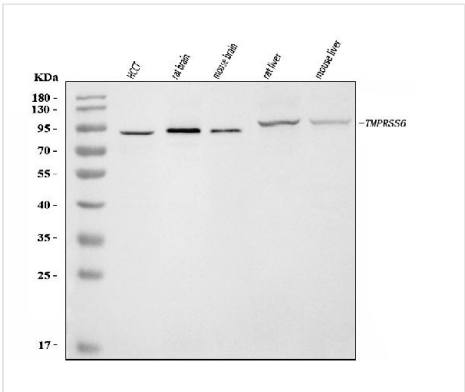
Matriptase 2/TMPRSS6; Polyclonal Antibody; Anti-Matriptase 2/TMPRSS6 Antibody Picoband; anti-TMPRSS6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TMPRSS6 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Matriptase 2/TMPRSS6 recombinant protein (Position: M1-Q759).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-Matriptase 2/TMPRSS6 antibody (AAA126198). Overlay histogram showing MCF-7 cells stained with AAA126198 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Matriptase 2/TMPRSS6 Antibody (AAA126198, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Matriptase 2/TMPRSS6 using anti-Matriptase 2/TMPRSS6 antibody (AAA126198). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HCT tissue lysates, Lane 2: rat brain tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: rat liver tissue lysates, Lane 5: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Matriptase 2/TMPRSS6 antigen affinity purified polyclonal antibody (#AAA126198) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Matriptase 2/TMPRSS6 at approximately 90,95 kDa. The expected band size for Matriptase 2/TMPRSS6 is at 90 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPRSS6 antibody	Transmembrane protease, serine 6 (also known as matriptase-2) is an enzyme that in humans is encoded by the TMPRSS6 gene. The protein encoded by this gene is a type II transmembrane serine proteinase that is found attached to the cell surface. The encoded protein may be involved in matrix remodeling processes in the liver. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-TMPRSS6 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	573014826
NCBI GeneID	164656
NCBI Accession #	NP_001275929.1
NCBI GenBank Nucleotide #	NM_001289000.1
UniProt Accession #	Q8IU80; Q5TI06; Q6ICC2; Q6UXD8; Q8IUE2; Q8IXV8; B0QYB4; B0QYB7; B0QYB8
Molecular Weight	91,333 Da
NCBI Official Full Name	transmembrane protease serine 6 isoform 1
NCBI Official Synonym Full Names	transmembrane protease, serine 6
NCBI Official Symbol	TMPRSS6
NCBI Official Synonym Symbols	IRIDA
NCBI Protein Information	transmembrane protease serine 6
UniProt Protein Name	Transmembrane protease serine 6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/matriptase-2-tmprss6-antibody-western-blot-flow-cytometry-elisa/126198>