

Rabbit anti-Human TMPRSS13 Polyclonal Antibody | anti-TMPRSS13 antibody

Anti-TMPRSS13 Antibody Picoband

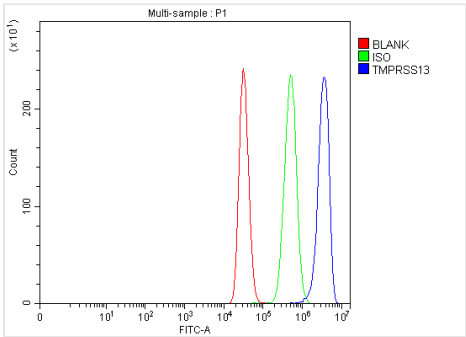
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126585	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TMPRSS13; Polyclonal Antibody; Anti-TMPRSS13 Antibody Picoband; anti-TMPRSS13 antibody

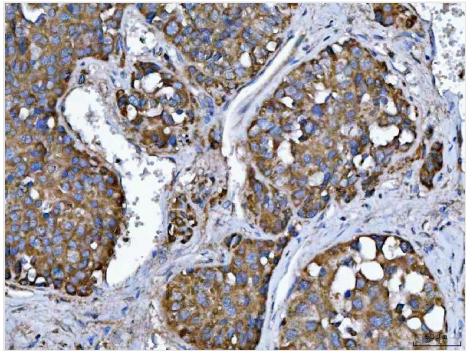
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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-TMPRSS13 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TMPRSS13 recombinant protein (Position: R118-L572).
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.



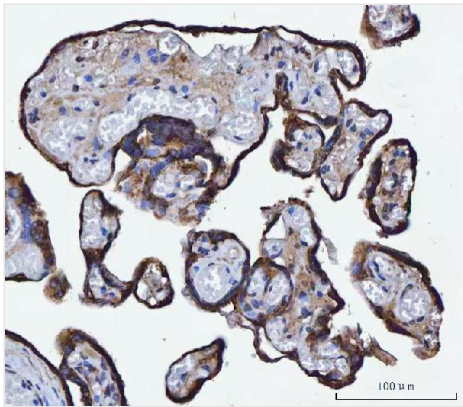
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of MCF-7 cells using anti-TMPRSS13 antibody (AAA126585).Overlay histogram showing MCF-7 cells stained with AAA126585 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TMPRSS13 Antibody (AAA126585, 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.



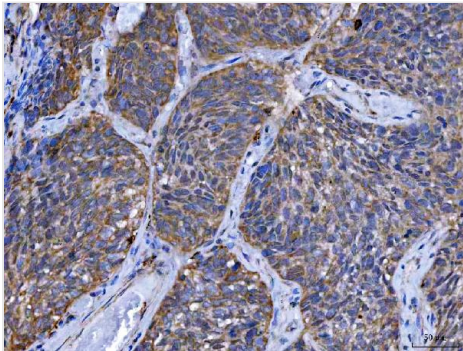
IHC (Immunohistochemisry)

Figure 3. IHC analysis of TMPRSS13 using anti-TMPRSS13 antibody (AAA126585).TMPRSS13 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TMPRSS13 Antibody (AAA126585) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



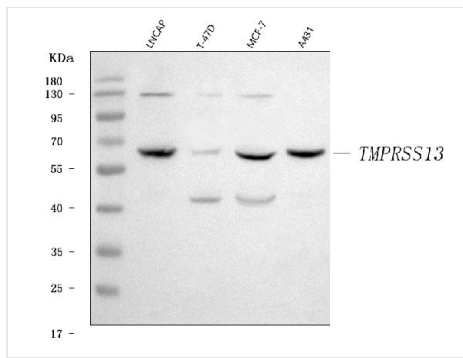
IHC (Immunohistochemistry)

Figure 4. IHC analysis of TMPRSS13 using anti-TMPRSS13 antibody (AAA126585).TMPRSS13 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TMPRSS13 Antibody (AAA126585) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiochemistry)

Figure 2. IHC analysis of TMPRSS13 using anti-TMPRSS13 antibody (AAA126585).TMPRSS13 was detected in a paraffin-embedded section of human esophageal squamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TMPRSS13 Antibody (AAA126585) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of TMPRSS13 using anti-TMPRSS13 antibody (AAA126585). 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 LNCAP whole cell lysates, Lane 2: human T-47D whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human A431 whole cell 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-TMPRSS13 antigen affinity purified polyclonal antibody (#AAA126585) 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 TMPRSS13 at approximately 63 kDa. The expected band size for TMPRSS13 is at 63 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TMPRSS13 antibody	This gene encodes a member of the type II transmembrane 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. Transmembrane serine proteases are regulated by protease inhibitors and known to function in development, homeostasis, infection, and tumorigenesis. This protein facilitates entry of viruses into host cells by proteolytically cleaving and activating viral envelope glycoproteins.
Product Categories/Family for anti-TMPRSS13 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	332205854
NCBI GeneID	84000
NCBI Accession #	NP_001193718
NCBI GenBank Nucleotide #	NM_001077263
UniProt Accession #	Q9BYE2 ; Q86YM4 ; Q96JY8 ; Q9BYE1 ; B4DTM9 ; E9PIJ5 ; F8WAJ3
Molecular Weight	52,560 Da
NCBI Official Full Name	transmembrane protease serine 13 isoform 2
NCBI Official Synonym Full Names	transmembrane protease, serine 13
NCBI Official Symbol	TMPRSS13
NCBI Official Synonym Symbols	MSP; MSPL; MSPS; TMPRSS11
NCBI Protein Information	transmembrane protease serine 13; membrane-type mosaic serine protease; transmembrane protease, serine 11
UniProt Protein Name	Transmembrane protease serine 13
UniProt Gene Name	TMPRSS13

UniProt Synonym Gene Names	MSP; TMPRSS11; Mosaic serine protease
UniProt Entry Name	TMPSD_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tmpRSS13-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126585>