

Rabbit anti-Human PRSS22 Polyclonal Antibody | anti-PRSS22 antibody

Anti-PRSS22 Antibody Picoband

CATALOG # AAA127799	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

PRSS22; Polyclonal Antibody; Anti-PRSS22 Antibody Picoband; Follicular dendritic cell secreted peptide; RNA-binding protein 47; RNA-binding motif protein 47; RBM47; anti-PRSS22 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon.
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 .
Applicable Applications for anti-PRSS22 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PRSS22 recombinant protein (Position: K43-Q299).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Protein Function	Can bind to the surface of B-lymphoma cells, but not T- lymphoma cells, consistent with a function as a secreted mediator acting upon B-cells.
Preparation and Storage	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.

IMAGES



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of RT4 cells using anti-PRSS22 antibody (AAA127799).Overlay histogram showing RT4 cells stained with AAA127799 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PRSS22 Antibody (AAA127799, 1ug/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 (1ug/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 PRSS22 using anti-PRSS22 antibody (AAA127799).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 CACO-2 whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human RT4 whole cell lysates,Lane 4: human Hacat 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-PRSS22 antigen affinity purified polyclonal antibody (#AAA127799) at 0.5ug/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 PRSS22 at approximately 42 kDa. The expected band size for PRSS22 is at 33 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PRSS22 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PRSS22 antibody	Primary Antibodies; Chromatin Binding Proteins; DNA/RNA Binding; Epigenetics and Nuclear Signaling
References	1. Wong, G. W., Yasuda, S., Madhusudhan, M. S., Li, L., Yang, Y., Krilis, S. A., Sali, A., Stevens, R. L. Human trypsin epsilon (PRSS22), a new member of the chromosome 16p13.3 family of human serine proteases expressed in airway epithelial cells. J. Biol. Chem. 276: 49169-49182, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11545839
NCBI GeneID	64063
NCBI Accession #	NP_071402.1
NCBI GenBank Nucleotide #	NM_022119.3
UniProt Accession #	Q9GZN4; O43342; Q6UXE0
Molecular Weight	33,732 Da
NCBI Official Full Name	brain-specific serine protease 4
NCBI Official Synonym Full Names	protease, serine 22
NCBI Official Symbol	PRSS22
NCBI Official Synonym Symbols	BSSP-4; SP001LA; hBSSP-4
NCBI Protein Information	brain-specific serine protease 4
UniProt Protein Name	Brain-specific serine protease 4
UniProt Gene Name	PRSS22
UniProt Synonym Gene Names	BSSP4; PRSS26; SP001LA; UNQ302/PRO343; BSSP-4
UniProt Entry Name	BSSP4_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://stage.aaabiotech.com/polyclonal/prss22-antibody-western-blot-flow-cytometry-elisa/127799>