

Rabbit PFN3 Polyclonal Antibody | anti-PFN3 antibody

Anti-PFN3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127800	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

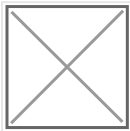
PFN3; Polyclonal Antibody; Anti-PFN3 Antibody Picoband; Follicular dendritic cell secreted peptide; RNA-binding protein 47; RNA-binding motif protein 47; RBM47; anti-PFN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-PFN3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PFN3 recombinant protein (Position: K5-R130).
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.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of HEL cells using anti-PFN3 antibody (AAA127800).Overlay histogram showing HEL cells stained with AAA127800 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PFN3 Antibody (AAA127800, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of PFN3 using anti-PFN3 antibody (AAA127800).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: rat C6 whole cell lysates,Lane 2: mouse RAW264.7 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-PFN3 antigen affinity purified polyclonal antibody (#AAA127800) 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 PFN3 at approximately 15 kDa. The expected band size for PFN3 is at 15 kDa.



IF (Immunofluorescence)
Figure 2. IF analysis of PFN3 using anti-PFN3 antibody (AAA127800).PFN3 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PFN3 Antibody (AAA127800) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL INFORMATION

Related Product Information for anti-PFN3 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-PFN3 antibody	Primary Antibodies; Chromatin Binding Proteins; DNA/RNA Binding; Epigenetics and Nuclear Signaling
References	1. Braun, A., Aszodi, A., Hellebrand, H., Berna, A., Fassler, R., Brandau, O. Genomic organization of profilin-III and evidence for a transcript expressed exclusively in testis. Gene 283: 219-225, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274140
NCBI GeneID	345456
NCBI Accession #	NP_001025057.1
NCBI GenBank Nucleotide #	NM_001029886.2
UniProt Accession #	P60673; A2RUL3
Molecular Weight	14,596 Da
NCBI Official Full Name	profilin-3
NCBI Official Synonym Full Names	profilin 3
NCBI Official Symbol	PFN3

NCBI Protein Information	profilin-3; profilin III
UniProt Protein Name	Profilin-3
UniProt Gene Name	PFN3
UniProt Entry Name	PROF3_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/pfn3-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127800>