

Rabbit anti-Human FAM111B Polyclonal Antibody | anti-FAM111B antibody

Anti-FAM111B Antibody Picoband

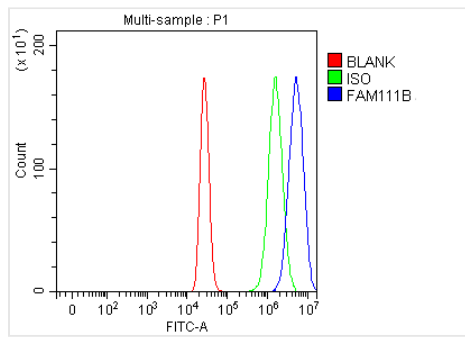
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19994	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

FAM111B; Polyclonal Antibody; Anti-FAM111B Antibody Picoband; anti-FAM111B antibody

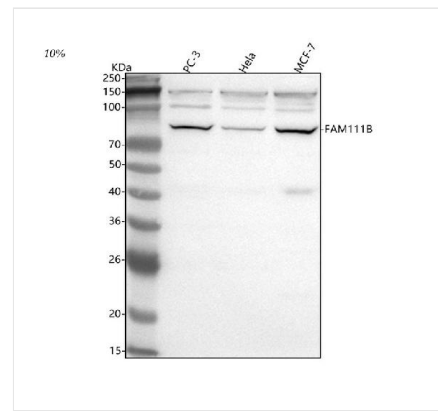
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
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-FAM111B antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human IHC: 2-5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human FAM111B recombinant protein (Position: Q328-D726). Human FAM111B shares 45.4% amino acid (aa) sequence identity with mouse FAM111B.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 (Flow Cytometry)

Figure 9. Flow Cytometry analysis of MCF-7 cells using anti-FAM111B antibody (AAA19994). Overlay histogram showing MCF-7 cells stained with AAA19994 (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-FAM111B Antibody (AAA19994, 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.



IHC (Immunohistochemistry)

Figure 8. IHC analysis of FAM111B using anti-FAM111B antibody (AAA19994).FAM111B was detected in a paraffin-embedded section of human thyroid 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 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-FAM111B Antibody (AAA19994) 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 (Lane 2: human Hacat whole cell lysates,Lane 3: human RT4 whole cell lysates,Lane 4: human U2OS 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-FAM111B antigen affinity purified polyclonal antibody (#AAA19994) 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 (Lane 2: human Hela whole cell lysates,Lane 3: human MCF-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-FAM111B antigen affinity purified polyclonal antibody (#AAA19994) 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 FAM111B at approximately 85 kDa. The expected band size for FAM111B is at 85 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FAM111B 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-FAM111B antibody	Primary Antibodies
References	1. Khumalo, N. P., Pillay, K., Beighton, P., Wainwright, H., Walker, B., Saxe, N., Mayosi, B. M., Bateman, E. D. Poikiloderma, tendon contracture and pulmonary fibrosis: a new autosomal dominant syndrome? Brit. J. Derm. 155: 1057-1061, 2006. 2. Mercier, S., Kury, S., Shaboodien, G., Houniet, D. T., Khumalo, N. P., Bou-Hanna, C., Bodak, N., Cormier-Daire, V., David, A., Faivre, L., Figarella-Branger, D., Gherardi, R. K., and 18 others. Mutations in FAM111B cause hereditary fibrosing poikiloderma with tendon contracture, myopathy, and pulmonary fibrosis. Am. J. Hum. Genet. 93: 1100-1107, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218156273
NCBI GeneID	374393
NCBI Accession #	NP_001136175
NCBI GenBank Nucleotide #	NM_001142703
UniProt Accession #	Q6SJ93 ; Q6P661 ; B4E2G2
Molecular Weight	81,201 Da
NCBI Official Full Name	protein FAM111B isoform b
NCBI Official Synonym Full Names	family with sequence similarity 111, member B
NCBI Official Symbol	FAM111B
NCBI Official Synonym Symbols	CANP; POIKTMP
NCBI Protein Information	protein FAM111B; cancer-associated nucleoprotein
UniProt Protein Name	Protein FAM111B
UniProt Gene Name	FAM111B
UniProt Synonym Gene Names	CANP
UniProt Entry Name	F111B_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/fam111b-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19994>