

Rabbit anti-Mouse, Rat Fanca/FAA Polyclonal Antibody | anti-FANCA antibody

Anti-Fanca/FAA Antibody Picoband

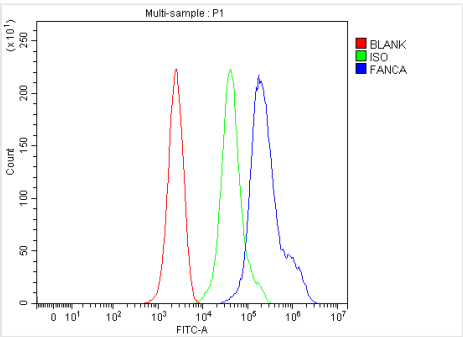
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126330	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Fanca/FAA; Polyclonal Antibody; Anti-Fanca/FAA Antibody Picoband; anti-FANCA antibody

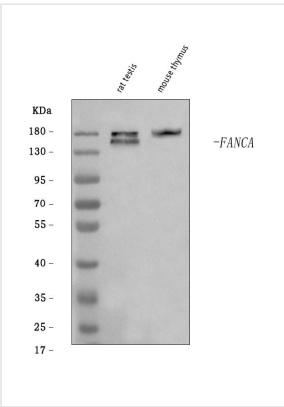
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	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-FANCA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse Fanca/FAA recombinant protein (Position: E1272-F1439).
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 ANA-1 cells using anti-Fanca/FAA antibody (AAA126330).Overlay histogram showing ANA-1 cells stained with AAA126330 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Fanca/FAA Antibody (AAA126330, 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 Fanca/FAA using anti-Fanca/FAA antibody (AAA126330).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 testis tissue lysates,Lane 2: mouse thymus 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-Fanca/FAA antigen affinity purified polyclonal antibody (#AAA126330) 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 Fanca/FAA at approximately 180 kDa. The expected band size for Fanca/FAA is at 161 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FANCA antibody	Fanconi anaemia, complementation group A, also known as FAA, FACA and FANCA, is a protein which in humans is encoded by the FANCA gene. Acts upstream of or within several processes, including gonad development; regulation of CD40 signaling pathway; and regulation of regulatory T cell differentiation. Predicted to be located in nucleoplasm. Predicted to be part of Fanconi anaemia nuclear complex. Is expressed in several structures, including gut; liver; lung; reproductive system; and spleen. Used to study Fanconi anemia complementation group A. Human ortholog(s) of this gene implicated in several diseases, including Fanconi anemia (multiple); acute myeloid leukemia; esophagus squamous cell carcinoma; ovarian disease (multiple); and skin melanoma. Orthologous to human FANCA (FA complementation group A).
Product Categories/Family for anti-FANCA antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	242397507
NCBI GeneID	14087
NCBI Accession #	NP_058621.2
NCBI GenBank Nucleotide #	NM_016925.3
UniProt Accession #	Q9JL70; Q9ESU9; Q9ESV3; Q9ET44; Q9JL64; Q9JL65; Q9JL66; Q9JL67; Q9JL68; Q9JL69; E9QKQ4
Molecular Weight	161,213 Da
NCBI Official Full Name	Fanconi anemia group A protein homolog
NCBI Official Synonym Full Names	Fanconi anemia, complementation group A
NCBI Official Symbol	Fanca
NCBI Official Synonym Symbols	FACA; AW208693

NCBI Protein Information	Fanconi anemia group A protein homolog
UniProt Protein Name	Fanconi anemia group A protein homolog
UniProt Gene Name	Fanca
UniProt Synonym Gene Names	Protein FACA
UniProt Entry Name	FANCA_MOUSE

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/fanca-faa-antibody-flow-cytometry-western-blot-elisa/126330>