

Rabbit anti-Human Fibroblast activation protein, alpha/FAP Polyclonal Antibody | anti-FAP antibody

Anti-Fibroblast activation protein, alpha/FAP Antibody Picoband

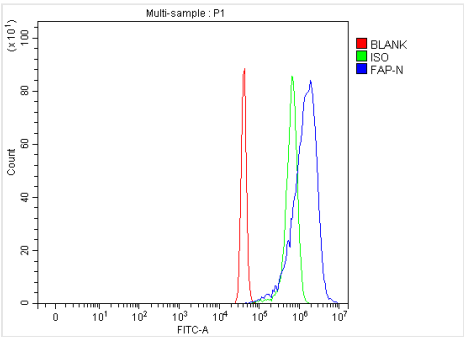
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126022	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

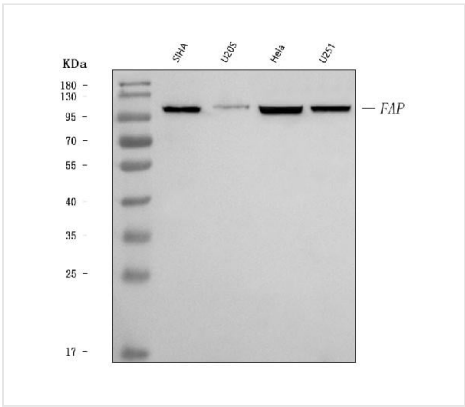
Fibroblast activation protein; alpha/FAP; Polyclonal Antibody; Anti-Fibroblast activation protein; alpha/FAP Antibody Picoband; anti-FAP antibody

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-FAP 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 human Fibroblast activation protein, alpha/FAP recombinant protein (Position: Q65-Q580).
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 SiHa cells using anti-Fibroblast activation protein, alpha/FAP antibody (AAA126022).Overlay histogram showing SiHa cells stained with AAA126022 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Fibroblast activation protein, alpha/FAP Antibody (AAA126022, 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 Fibroblast activation protein, alpha/FAP using anti-Fibroblast activation protein, alpha/FAP antibody (AAA126022).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 SiHa whole cell lysates,Lane 2: human U20S whole cell lysates,Lane 3: human Hela whole cell lysates,Lane 4: human U251 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-Fibroblast activation protein, alpha/FAP antigen affinity purified polyclonal antibody (#AAA126022) at 0.25 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 Fibroblast activation protein, alpha/FAP at approximately 97 kDa. The expected band size for Fibroblast activation protein, alpha/FAP is at 95 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FAP antibody	Fibroblast activation protein alpha (FAP-alpha) also known as prolyl endopeptidase FAP is an enzyme that in humans is encoded by the FAP gene. The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-FAP antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933540
NCBI GeneID	2191
NCBI Accession #	NP_004451.2
NCBI GenBank Nucleotide #	NM_004460.2
UniProt Accession #	Q12884; O00199; Q53TP5; Q86Z29; Q99998; Q9UID4
Molecular Weight	87,713 Da
NCBI Official Full Name	seprase
NCBI Official Synonym Full Names	fibroblast activation protein, alpha
NCBI Official Symbol	FAP
NCBI Official Synonym Symbols	FAPA; DPPIV

NCBI Protein Information	seprase; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase
UniProt Protein Name	Seprase
UniProt Gene Name	FAP
UniProt Entry Name	SEPR_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/fibroblast-activation-protein-alpha-fap-antibody-flow-cytometry-western-blot-elisa/126022>