

Rabbit FAP Alpha Polyclonal Antibody | anti-FAP antibody

Rabbit Polyclonal to Human FAP Alpha

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50674	Rabbit	Reactivity: Human Predicted Reactivity: Monkey, Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit (at least 90% immunogen sequence identity)	Immunohistochemistry

PRODUCT SYNONYMS

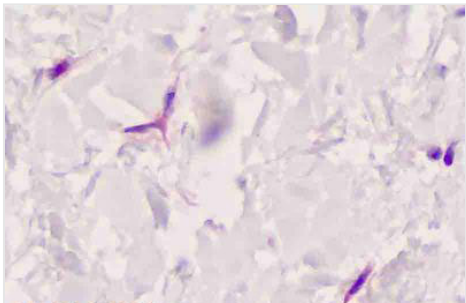
FAP Alpha; Polyclonal Antibody; Rabbit Polyclonal to Human FAP Alpha; Anti-FAP Alpha Antibody (Extracellular Domain) IHC-plus; DPPIV; FAP alpha; Fibroblast activation protein; FAPA; Seprase; Human FAP Alpha; anti-FAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human Predicted Reactivity: Monkey, Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human FAP. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	760
Applicable Applications for anti-FAP antibody	IHC (Immunohistochemistry)
Target	Human FAP Alpha
Immunogen Species	PAP Alpha antibody was raised against Human.
Antigen	Synthetic peptide
Immunogen Description	FAP Alpha antibody was raised against synthetic 17 amino acid peptide from extracellular domain of human FAP. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Opossum (94%); Marmoset, Bat, Turkey, Chicken (88%).
Epitope	Extracellular domain
Immunogen Type	Synthetic peptide
Immunogen	FAP Alpha antibody was raised against synthetic 17 amino acid peptide from extracellular domain of human FAP. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Opossum (94%); Marmoset, Bat, Turkey, Chicken (88%).
Epitope	Extracellular Domain
Usage	Immunohistochemistry: It was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration was determined to be 5 - 10 ug/ml.

Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze thaw cycles

IMAGES



IHC (Immunohistochemistry)
Human Skin, Dermal Fibroblasts: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Product Categories/Family for anti-FAP antibody	Family: Protease ; Subfamily: Serine S9
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16933540
NCBI GeneID	2191
NCBI Accession #	NP_004451.2
NCBI GenBank Nucleotide #	NM_004460.3
UniProt Accession #	Q12884 ; O00199 ; Q53TP5 ; Q86Z29 ; Q99998 ; Q9UID4
Molecular Weight	26,954 Da
NCBI Official Full Name	prolyl endopeptidase FAP isoform 1
NCBI Official Synonym Full Names	fibroblast activation protein, alpha
NCBI Official Symbol	FAP
NCBI Official Synonym Symbols	FAPA; SIMP; DPPIV
NCBI Protein Information	prolyl endopeptidase FAP; seprase; FAPalpha; dipeptidyl peptidase FAP; surface-expressed protease; post-proline cleaving enzyme; gelatine degradation protease FAP; integral membrane serine protease; serine integral membrane protease; 170 kDa melanoma membrane-bound gelatinase
UniProt Protein Name	Prolyl endopeptidase FAP
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/fap-alpha-antibody-immunohistochemistry-elisa/50674>