

Rabbit FAP Alpha Polyclonal Antibody | anti-FAP antibody

Rabbit Polyclonal to Human FAP Alpha

CATALOG # AAA12367	HOST Rabbit	REACTIVITY Horse, Human, Monkey Predicted Reactivity: Bovine, Pig	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

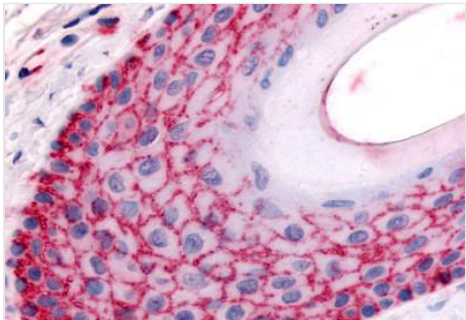
FAP Alpha; Polyclonal Antibody; Rabbit Polyclonal to Human FAP Alpha; Anti-FAP Alpha Antibody (Extracellular Domain) IHC-plus; DPPIV; FAP alpha; Fibroblast activation protein; FAPA; Seprase; Human FAP Alpha; anti-FAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Horse, Human, Monkey Predicted Reactivity: Bovine, Pig
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)
Application Notes	IHC (5 ug/ml) (Optimal dilution to be determined by the researcher.)
Target	FAP Alpha
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, Gibbon, Monkey, Marmoset, Horse (100%); Panda, Bovine, Pig (94%); Elephant, Dog (88%); Rat, Bat, Platypus (82%).
Immunogen Type	Synthetic peptide
Immunogen Species	FAP Alpha was raised against Human
Family/Subfamily	Protease / Serine S9
Epitope	Extracellular Domain
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, Inc. 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-dryingoven 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°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-FAP antibody IHC of human skin, hair follicle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-FAP antibody	Fibroblast Activation Protein Alpha (FAP) 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. FAP is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis.
Product Categories/Family for anti-FAP antibody	Family: Protease ; Subfamily: Serine S9

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
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.