

Mouse anti-Human Fibroblast Activation Protein Alpha/FAP-1 Monoclonal Antibody | anti-FABP5 antibody

Fibroblast Activation Protein Alpha/FAP-1 Mouse Monoclonal Antibody [Clone FAP/4854]

CATALOG # AAA215641	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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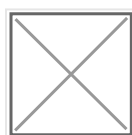
PRODUCT SYNONYMS

Fibroblast Activation Protein Alpha/FAP-1; Monoclonal Antibody; Fibroblast Activation Protein Alpha/FAP-1 Mouse Monoclonal Antibody [Clone FAP/4854]; 170kDa melanoma membrane-bound gelatinase; DPPIV; FAP; FAPA; Fibroblast activation protein alpha; Integral membrane serine protease; Seprase; anti-FABP5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2c, kappa
Clone Number	FAP/4854
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-FABP5 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa 1-200) of human FAP protein (exact sequence is proprietary)
Cellular Localization	Cell surface, Cell membrane
Positive Control	Human uterus, colon or pancreas. Fibroblast specific.
Hu-chromosome Location	2q24.2
Unigene	654370
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human placenta stained with Fibroblast Activation Protein Alpha/FAP-1 Mouse Monoclonal Antibody (FAP/4854).

ADDITIONAL INFORMATION

Related Product Information for anti-FABP5 antibody	FAP (fibroblast activation protein) is a cell surface glycoprotein and serine protease that is expressed primarily in fetal mesenchymal tissues and epithelial cancer fibroblasts. In cancer, FAP functions to promote cellular proliferation. In embryonic development, FAP functions to remodel developing tissues. FAP acts as an integral membrane gelatinase composed of N-glycosylated proteolytically inactive subunits. FAP expression on chondrocyte membranes is upregulated by the combination of the cytokines IL-1 and OSM and has been shown to increase in osteoarthritic patients. This expression is colocalized with MMP-1 and MMP-13 as well as CD44 (variants v3 and v7/8). Mice that lack all copies of the FAP gene have been found to be fertile and to have developmental defects or change in cancer susceptibility.
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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.