

For Research Use Only

FAP Polyclonal antibody

Catalog Number: 11779-1-AP

3 Publications



Basic Information

Catalog Number: 11779-1-AP	GenBank Accession Number: BC026250	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 2191	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q12884	
Isotype: IgG	Full Name: fibroblast activation protein, alpha	
Immunogen Catalog Number: AG2439	Calculated MW: 760 aa, 88 kDa	
	Observed MW: 87-97 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : U-87 MG cells, U2OS cells IHC : human intrahepatic cholangiocarcinoma tissue,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Fibroblast activation protein-alpha (FAP-alpha) is a cell surface glycoprotein serine protease, which can participate in extracellular matrix degradation and is involved in many cellular processes including tissue remodeling, fibrosis, wound healing, inflammation and tumor growth (PMID: 14751930; 16223769). FAP-alpha is a single transmembrane protein that locates the cytoplasm and plasma membrane. Immunohistochemical studies have shown that FAP-alpha is transiently expressed in certain normal fetal mesenchymal tissues but that normal adult tissues as well as malignant epithelial, neural, and hematopoietic cells are generally FAP-alpha-negative. However, most of the common types of epithelial cancers contain abundant FAP-alpha-reactive stromal fibroblasts (PMID: 7911242).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Kong	31796058	Mol Cancer	IF
Li Zhang	39298063	Mol Biol Rep	IF
Hui-Fang Hu	38855188	Theranostics	WB

Storage

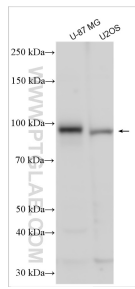
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

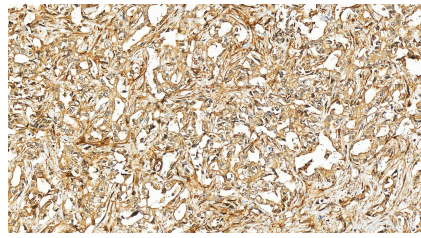
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11779-1-AP (FAPA antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 11779-1-AP (FAPA antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).