

For Research Use Only

# FAP Polyclonal antibody

Catalog Number: 11779-1-AP **3 Publications**



## Basic Information

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

## Applications

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

## 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

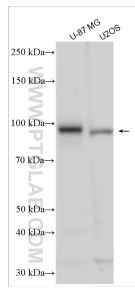
## Storage

**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

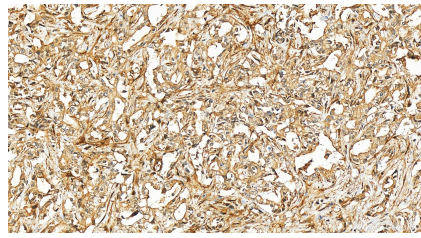
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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).