

For Research Use Only

FAP Recombinant antibody

Catalog Number: 84018-4-RR



Basic Information

Catalog Number: 84018-4-RR	GenBank Accession Number: NM_004460.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2191	CloneNo.: 241129B4
Source: Rabbit	UNIPROT ID: Q12884-1	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG	Full Name: fibroblast activation protein, alpha	
	Calculated MW: 88 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, FC, ELISA	Positive Controls: WB : U-87 MG cells,
Species Specificity: human	

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).

Storage

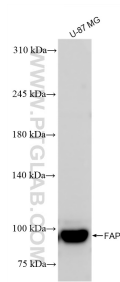
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

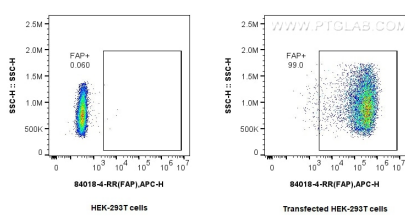
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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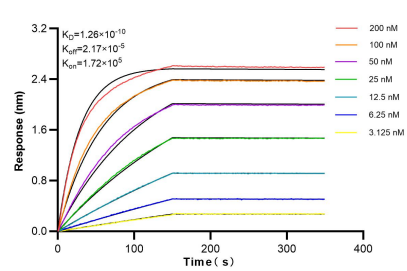
Selected Validation Data



U-87 MG cells were subjected to SDS PAGE followed by western blot with 84018-4-RR (FAP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



1x10⁶ HEK-293T cells or Transfected HEK-293T cells were surface stained with 0.25 ug FAP Recombinant antibody (84018-4-RR, Clone:241129B4) and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 84018-4-RR against Human FAP were performed. The affinity constant is 0.126 nM.