

For Research Use Only

FAP Recombinant antibody

Catalog Number: 84018-4-RR



Basic Information

Catalog Number:

84018-4-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004460.4

GeneID (NCBI):

2191

UNIPROT ID:

Q12884-1

Full Name:

fibroblast activation protein, alpha

Calculated MW:

88 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

241129B4

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, FC, ELISA

Species Specificity:

human

Positive Controls:

WB : U-87 MG cells,

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

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

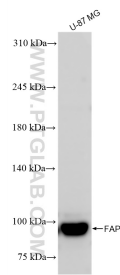
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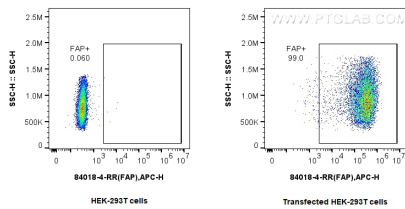
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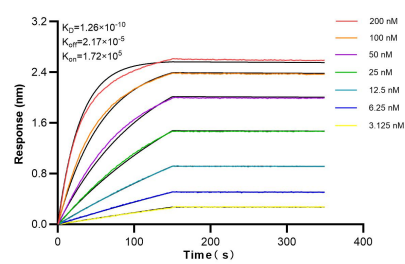
Selected Validation Data



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.