

HRP Conjugated Anti-Human FAP Antibody [PSH26-56] - Detector

HA725500H



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det), ELISA
Clone number:	PSH26-56

Description: 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 co-localized 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.

Conjugate: HRP-conjugated

Immunogen: Recombinant protein within Human FAP aa 26-760 (HA211419).

Positive control: Recombinant Human FAP protein (HA211419).

Subcellular location: Cell membrane. Cell surface.

Database links: SwissProt: Q12884 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH26-55] to Human FAP (Capture) (HA725499) and Recombinant Human FAP protein (HA211419) as the standard. The reference range value is 156.3-20,000 pg/mL.
ELISA Use at an assay dependent concentration.

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). Store at -20℃ long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

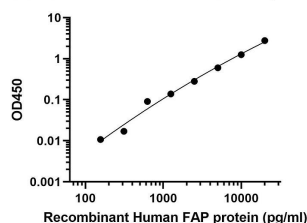
Images

Fig1: Sandwich ELISA analysis of Human FAP matched pair antibodies

Capture: HA725499, Human FAP Rabbit mAb [PSH26-55]

Detector: HA725500, Human FAP Rabbit mAb [PSH26-56]

Standard curve of Human FAP matched pair antibodies



Elisa assay was performed by coating wells of a 96-well plate with 100 μ l per well of capture antibody (HA725499) diluted in carbonate/bicarbonate buffer, at a concentration of 5 μ g/mL overnight at 4°C. Wells of the plate were washed, blocked with 150 μ l 0.05% tween-20 1% BSA blocking buffer, and incubated with serial diluted Recombinant Human FAP protein (HA211419) starting from 20,000 pg/mL to 0 pg/mL and detect antibody (HA725500, HRP, 0.2 μ g/mL) for 1 hour at 30°C with shaking. Detection was performed using an Ultra TMB Substrate for 10 minutes at room temperature in the dark. The reaction was stopped with sulfuric acid and absorbances were read on a spectrophotometer at 450 nm.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Jia, B. et al. 2016. GPR30 Promotes Prostate Stromal Cell Activation via Suppression of ER α Expression and Its Downstream Signaling Pathway. *Endocrinology*. 157: 3023-35.
2. Knopf, JD. et al. 2015. The stromal cell-surface protease fibroblast activation protein- α localizes to lipid rafts and is recruited to invadopodia. *Biochim. Biophys. Acta*. 1853: 2515-25.

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