

Anti-Fibroblast Activation Protein FAP Antibody

Catalog Number: A00422

About FAP

This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Fibroblast Activation Protein (FAP) is expressed in the stroma of sites that are undergoing wound healing. In addition, it has recently been reported that FAP is expressed in the stroma of sites of metastatic disease. Inhibition of FAP may lead to a dramatic decrease in the number of metastatic osteosarcoma lung nodules. FAP exists as an inactive monomer and when activated forms homodimers or heterodimers with DPP4. Multiple isoforms of FAP are reported as alternative splicing products from a common gene.

Overview

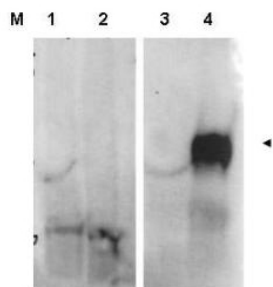
Product Name	Anti-Fibroblast Activation Protein FAP Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Fibroblast Activation Protein FAP Antibody (Catalog # A00422). Tested in ELISA, WB applications. This antibody reacts with Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	P97321

Technical Details

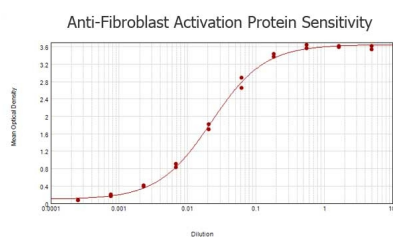
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of mouse FAP protein.
Predicted Reactive Species	Canine, Monkey
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.1 mg/mL by UV absorbance at 280 nm
Purification	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography.

	<p>This antibody is known to react with mouse FAP protein. A BLAST analysis was used to suggest partial cross-reactivity with FAP from human and rat sources based on ~88% homology with the immunizing sequence. Reactivity with FAP from other sources has not been determined.</p>
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:10,000 - 1:20,000</p> <p>WB: 1:500 to 1:2,000</p>

Anti-Fibroblast Activation Protein FAP Antibody (A00422) Images



Western blot analysis of FAP expression in whole cell lysates from FAP expressing HEK cells (lane 4) but not control HEK cells (lane 3). Specific band staining is blocked when the primary antibody is pre-incubated with immunizing peptide (lanes 1 and 2 respectively). FAP at 90KD was detected using rabbit anti-Fibroblast Activation Protein Antigen Affinity purified polyclonal antibody (Catalog # A00422) at 1:1000. Personal communication, S.Kim, NCI, Bethesda, MD.



ELISA results of rabbit anti-Fibroblast Activation Protein Antigen Affinity purified polyclonal antibody (Catalog # A00422) tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 0.1.

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