Product datasheet

Anti-FAP Antibody (Clone#AbF22)

Catalog Number: *BM5121*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-FAP Antibody (Clone#AbF22)
Gene Name	FAP
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human FAP1
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	97 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

FAP(Fibroblast Activation Protein, Alpha) also known as FAPA or SEPRASE, is an inducible cell surface glycoprotein that was originally identified in cultured fibroblasts using monoclonal antibody F19. The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. The FAP gene is mapped on 2q24.2. FAP is most closely related to DPPIV and they share about 50% of their amino acids. FAP is catalytically active as a 170kD dimer and has dipeptidase and gelatinase activity. Its gelatinase activity requires a glycine in P2 position.FAP-alpha shows 48% amino acid identity with dipeptidyl peptidase IV and 30% identity with DPP4-related protein. Northern blot analysis detected a 2.8-kb FAP-alpha mRNA in fibroblasts. Depletion of FAP-expressing cells, which made up only 2% of all tumor cells in established Lewis lung carcinomas, caused rapid hypoxic necrosis of both cancer and stromal cells in immunogenic tumors by a process involving interferon-gamma and tumor necrosis factor-alpha.

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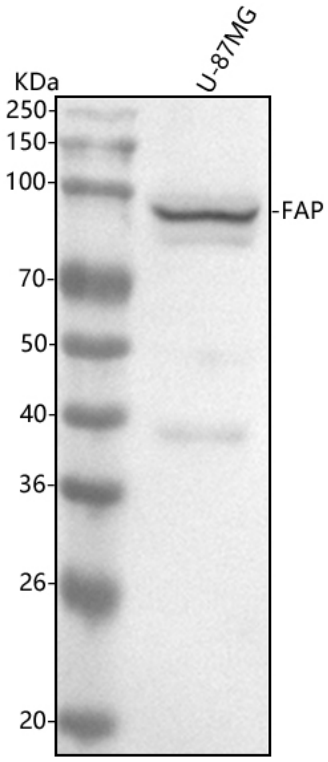
Reference

Anti-FAP Antibody (Clone#AbF22)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-FAP antibody (BM5121). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human U-87MG whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FAP antigen affinity purified monoclonal antibody (BM5121) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FAP at approximately 95 kDa. The expected band size for FAP is at 88 kDa.