

**FAP Antibody (monoclonal) (M01)**  
**Mouse monoclonal antibody raised against a partial recombinant FAP.**  
**Catalog # AT1998a**

### Specification

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#### FAP Antibody (monoclonal) (M01) - Product Information

Application	IP, WB, E
Primary Accession	<a href="#">Q12884</a>
Other Accession	<a href="#">BC026250</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	87713

#### FAP Antibody (monoclonal) (M01) - Additional Information

Gene ID 2191

##### Other Names

Prolyl endopeptidase FAP, 170 kDa melanoma membrane-bound gelatinase, Dipeptidyl peptidase FAP, Fibroblast activation protein alpha, FAPalpha, Serine integral membrane protease, SIMP, Surface-expressed protease, Seprase, Antiplasmin-cleaving enzyme FAP, soluble form, APCE, 3421-, FAP ([HGNC:3590](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=3590))

##### Target/Specificity

FAP (AAH26250, 525 a.a. ~ 624 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB~~1:500~1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### Precautions

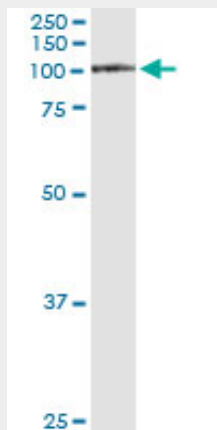
FAP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

#### FAP Antibody (monoclonal) (M01) - Protocols

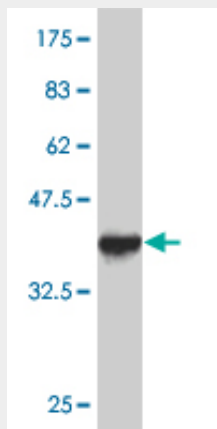
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

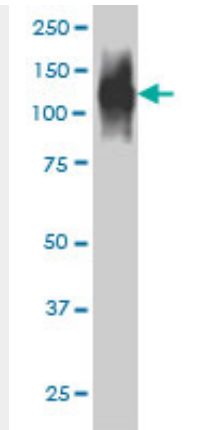
#### FAP Antibody (monoclonal) (M01) - Images



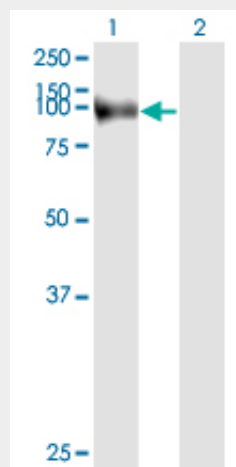
Immunoprecipitation of FAP transfected lysate using anti-FAP monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with FAP MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

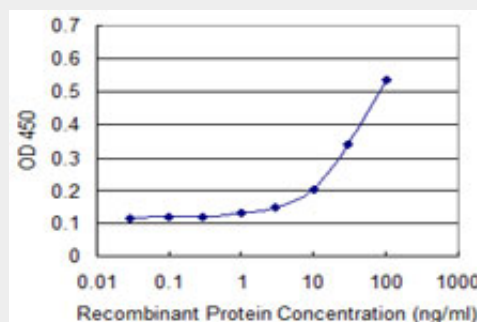


FAP monoclonal antibody (M01), clone 1E5 Western Blot analysis of FAP expression in HepG2 (Cat # AT1998a)



Western Blot analysis of FAP expression in transfected 293T cell line by FAP monoclonal antibody (M01), clone 1E5.

Lane 1: FAP transfected lysate(87.7 KDa).  
 Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FAP is approximately 0.1ng/ml as a capture antibody.

### FAP Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or

epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis.

### **FAP Antibody (monoclonal) (M01) - References**

1. Fibroblast Activation Protein (FAP) Is Essential for the Migration of Bone Marrow Mesenchymal Stem Cells through RhoA Activation. Chung KM, Hsu SC, Chu YR, Lin MY, Jiaang WT, Chen RH, Chen X. PLoS One. 2014 Feb 13;9(2):e88772. doi: 10.1371/journal.pone.0088772. eCollection 2014.

2. Extracellular Hsp90 mediates an NF- $\kappa$ B dependent inflammatory stromal program: Implications for the prostate tumor microenvironment. Bohonowych J, Hance M, Nolan K, Defee M, Parsons C, Isaacs J. Prostate. 2013 Dec 16. doi: 10.1002/pros.22761.

3. Differential impact of TGF- $\beta$  and EGF on fibroblast differentiation and invasion reciprocally promotes colon cancer cell invasion. Denys H, Derycke L, Hendrix A, Westbroek W, Gheldof A, Narine K, Pauwels P, Gespach C, Bracke M, De Wever O. Cancer Lett. 2008 Aug 8;266(2):263-74.

4. Fibroblast activation protein and chronic liver disease. Wang XM, Yao TW, Nadvi NA, Osborne B, McCaughan GW, Gorrell MD. Front Biosci. 2008 Jan 1;13:3168-80.