

# Product Datasheet

## Fibroblast Activation Protein alpha/FAP Antibody (1E5) - Azide and BSA Free H00002191-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00002191-M01**

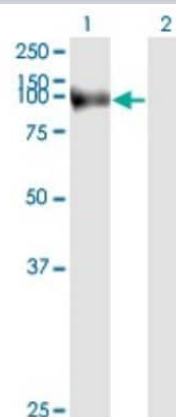
Fibroblast Activation Protein alpha/FAP Antibody (1E5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E5
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2191
Gene Symbol	FAP
Species	Human
Specificity/Sensitivity	FAP - fibroblast activation protein, alpha
Immunogen	FAP (AAH26250, 525 a.a. ~ 624 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PPQFDRSKKYPLLIQVYGGPCSQSVRSVFAVNWISYLASKEGMVIALVDGRGT AFQGDKLLYAVYRKLGVEVEDQITAVRKFIEMGFIDEKRIAIWGWS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunoprecipitation
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

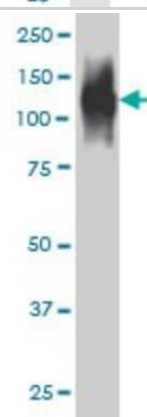


## Images

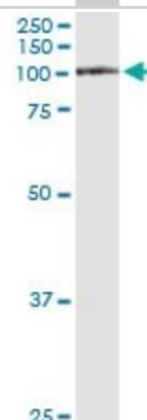
Western Blot: Fibroblast Activation Protein alpha/FAP Antibody (1E5) [H00002191-M01] - Analysis of FAP expression in transfected 293T cell line by FAP monoclonal antibody (M01), clone 1E5. Lane 1: FAP transfected lysate(87.7 KDa). Lane 2: Non-transfected lysate.



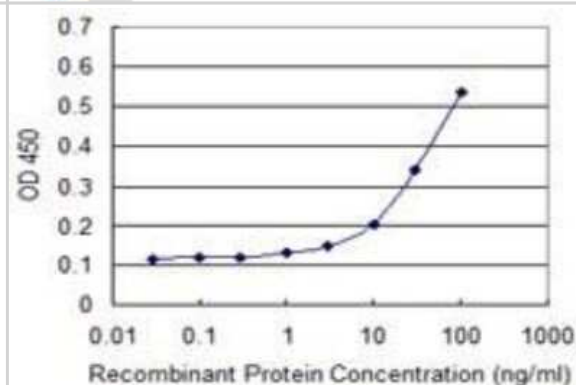
Western Blot: Fibroblast Activation Protein alpha/FAP Antibody (1E5) [H00002191-M01] - FAP monoclonal antibody (M01), clone 1E5 Analysis of FAP expression in HepG2.



Immunoprecipitation: Fibroblast Activation Protein alpha/FAP Antibody (1E5) [H00002191-M01] - Analysis of FAP transfected lysate using anti-FAP monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FAP MaxPab rabbit polyclonal antibody.



ELISA: Fibroblast Activation Protein alpha/FAP Antibody (1E5) [H00002191-M01] - Fibroblast Activation Protein alpha/FAP Antibody (1E5) [H00002191-M01] - Detection limit for recombinant GST tagged FAP is approximately 0.1ng/ml as a capture antibody.



## Publications

R Katsube, K Noma, T Ohara, N Nishiwaki, T Kobayashi, S Komoto, H Sato, H Kashima, T Kato, S Kikuchi, H Tazawa, S Kagawa, Y Shirakawa, H Kobayashi, T Fujiwara Fibroblast activation protein targeted near infrared photoimmunotherapy (NIR PIT) overcomes therapeutic resistance in human esophageal cancer *Scientific Reports*, 2021-01-18;11(1):1693. 2021-01-18 [PMID: 33462372]

Kashima H, Noma K, Ohara T et al. Cancer-associated fibroblasts (CAFs) promote the lymph node metastasis of esophageal squamous cell carcinoma. *Int J Cancer*. 2018-12-03 [PMID: 30367467]

Chung KM, Hsu SC, Chu YR et al. Fibroblast Activation Protein (FAP) Is Essential for the Migration of Bone Marrow Mesenchymal Stem Cells through RhoA Activation. *PLoS One*. 2014-02-13 [PMID: 24551161]

Bohonowych J, Hance M, Nolan K et al. Extracellular Hsp90 mediates an NF-kappa dependent inflammatory stromal program: Implications for the prostate tumor microenvironment. *Prostate* 2014-04-01 [PMID: 24338924] (Human)

Denys H, Derycke L, Hendrix A et al. Differential impact of TGF-beta EGF on fibroblast differentiation invasion reciprocally promotes colon cancer cell invasion. *Cancer Lett*;266(2):263-74. 2008-08-08 [PMID: 18423981]

Wang XM, Yao TW, Nadvi NA et al. Fibroblast activation protein chronic liver disease. *Front Biosci*;13:3168-80. 2008-01-01 [PMID: 17981786]





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### **Products Related to H00002191-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
DPC900	Fibroblast Activation Protein alpha/FAP [HRP]

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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