

## Product Datasheet

### FAP Antibody (orb1410277)

<b>Catalog Number</b>	orb1410277
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody to Fibroblast Activation Protein Alpha
<b>Target</b>	FAP
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2c
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
<b>Purification</b>	Protein A/G
<b>Immunogen</b>	Recombinant fragment (around aa 1-200) of human FAP protein (exact sequence is proprietary)
<b>UniProt ID</b>	<b>Q12884</b>
<b>MW</b>	88kDa
<b>Tested applications</b>	IHC

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**Specificity**

Expressed in adipose tissue. Expressed in the dermal fibroblasts in the fetal skin. Expressed in the granulation tissue of healing wounds and on reactive stromal fibroblast in epithelial cancers. Expressed in activated fibroblast-like synoviocytes from inflamed synovial tissues. Expressed in activated hepatic stellate cells (HSC) and myofibroblasts from cirrhotic liver, but not detected in normal liver. Expressed in glioma cells (at protein level). Expressed in glioblastomas and glioma cells. Isoform 1 and isoform 2 are expressed in melanoma, carcinoma and fibroblast cell lines.

**Clone Number**

FAP/4853

**Expression System**

Bioreactor

**Storage**

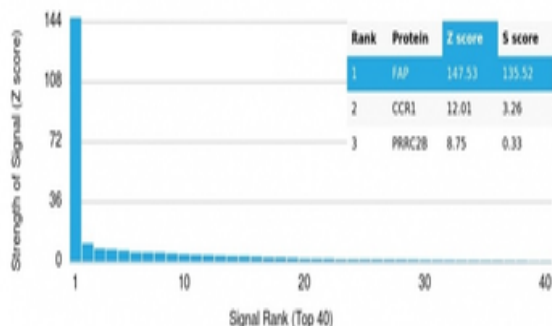
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.



Analysis of Protein Array containing more than 19000 full-length human proteins using Fibroblast Activation Protein Mouse Monoclonal Antibody (FAP/4853). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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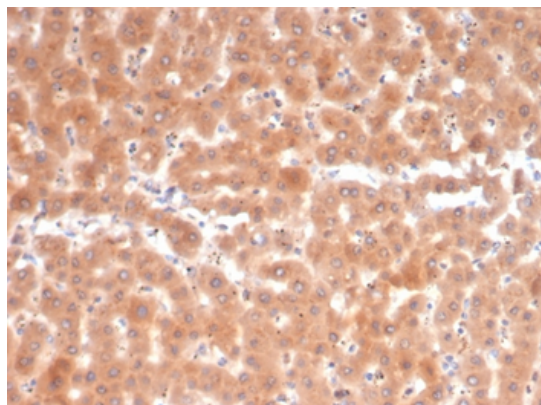
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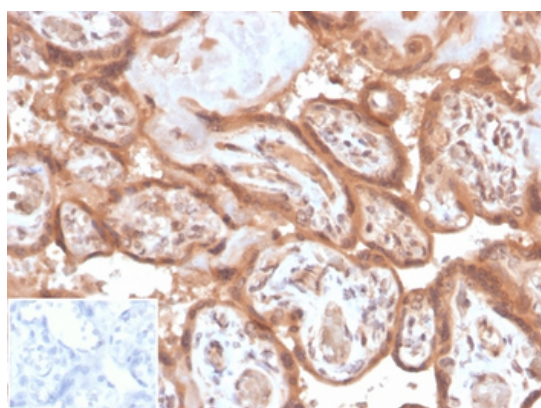
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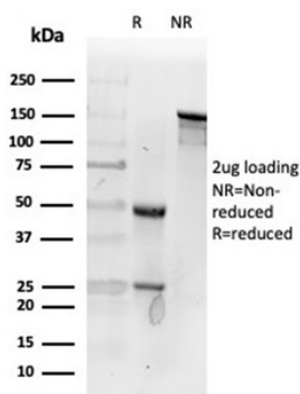
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Formalin-fixed, paraffin-embedded human liver stained with Fibroblast Activation Protein Mouse Monoclonal Antibody (FAP/4853).



Formalin-fixed, paraffin-embedded human placenta stained with Fibroblast Activation Protein Mouse Monoclonal Antibody (FAP/4853). Inset: PBS instead of primary antibody, secondary only negative control.



SDS-PAGE Analysis of Purified FAP Mouse Monoclonal Antibody (FAP/4853). Confirmation of Purity and Integrity of Antibody.

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