

# Product Datasheet

## AFAP Antibody - BSA Free NBP1-90216

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-90216**

AFAP Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

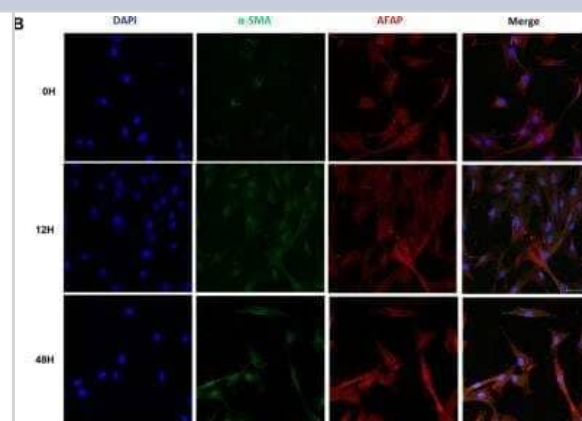
<b>Host</b>	Rabbit
<b>Gene ID</b>	60312
<b>Gene Symbol</b>	AFAP1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (80%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: PEALHYDYIDVEMSASVIQTAKQTFCFMNRRVISANPYLGGTSNGYAHPSGTAL HYDDVPCINGSLKGKKPPVASNGVTGKGKTLSSQPKKADPAAVVKRTGSNAA QYKYGKNRVEADAKR

**Product Application Details**

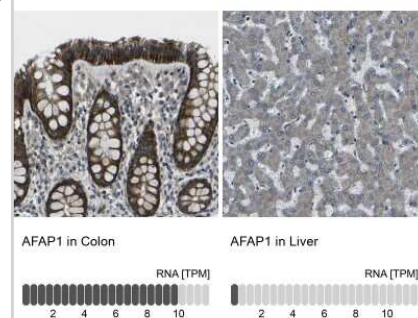
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

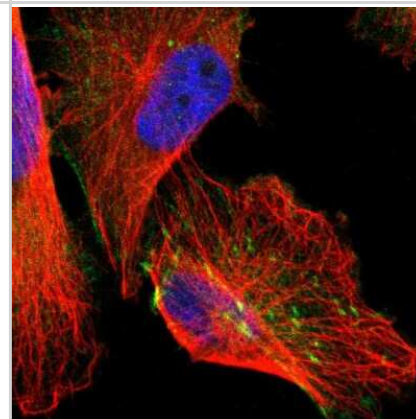
Immunocytochemistry/Immunofluorescence: AFAP Antibody [NBP1-90216] - Immunofluorescence analysis of alpha-smooth muscle actin (a-SMA) and actin filament-associated protein 1 (AFAP) under hypoxia for 12 h; DAPI (blue), vimentin (green, upper), a-SMA (green, lower), a-tubulin (red, upper), AFAP (red, lower). Results are representative of three independent experiments, scale bar = 50 uM. Image collected and cropped by CiteAb from the following publication (mdpi.com/1422-0067/20/10/2546), licensed under a CC-BY license.



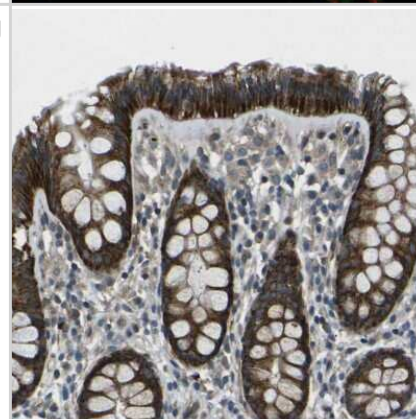
Immunohistochemistry-Paraffin: AFAP Antibody [NBP1-90216] - Staining in human colon and liver tissues using anti-AFAP1 antibody. Corresponding AFAP1 RNA-seq data are presented for the same tissues.



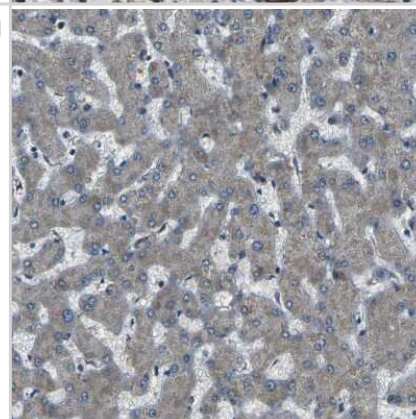
Immunocytochemistry/Immunofluorescence: AFAP Antibody [NBP1-90216] - Staining of human cell line U-251 MG shows positivity in cytoplasm, actin filaments and focal adhesion sites. Antibody staining is shown in green.



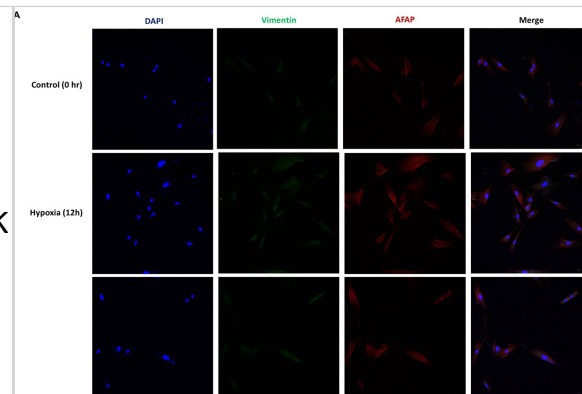
Immunohistochemistry-Paraffin: AFAP Antibody [NBP1-90216] - Staining of human colon shows high expression.



Immunohistochemistry-Paraffin: AFAP Antibody [NBP1-90216] - Staining of human liver shows low expression as expected.



Immunocytochemistry/ Immunofluorescence: AFAP Antibody [NBP1-90216] - Effect of an ERK-specific inhibitor (SCH 772984) on phenotypic markers of EMT under hypoxia; DAPI (blue), vimentin (green, upper),  $\alpha$ -SMA (green, lower), AFAP (red, upper),  $\alpha$ -tubulin (red, lower). (A) Increased expression of AFAP under hypoxia for 12 h were reduced after the treatment of ERK inhibitors. (B) Increased expression of  $\alpha$ -tubulin under hypoxia for 12 h were reduced after the treatment of ERK inhibitors. Results are representative of three independent experiments, scale bar = 50  $\mu$ M. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31137604>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Morwitzer MJ, Tritsch SR, Cazares LH et al. Hypoxia-Induced Epithelial-To-Mesenchymal Transition Mediates Fibroblast Abnormalities via EKR Activation in Cutaneous Wound Healing Int J Mol Sci 2019-05-24 [PMID: 31137604] (ICC/IF, Human)



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### **Products Related to NBP1-90216**

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NBP1-90216PEP	AFAP Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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