

Product Datasheet

Fatty Acid Synthase/FASN Antibody (3F2-1F3) - Azide and BSA Free H00002194-M01

Unit Size: 0.05 mg

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

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H00002194-M01

Fatty Acid Synthase/FASN Antibody (3F2-1F3) - Azide and BSA Free

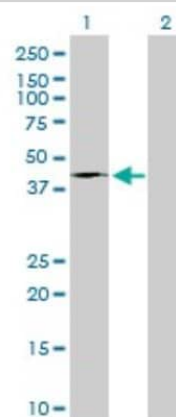
Product Information	
Unit Size	0.05 mg
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3F2-1F3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Ascites
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2194
Gene Symbol	FASN
Species	Human
Specificity/Sensitivity	FASN - fatty acid synthase (3F2-1F3)
Immunogen	FASN (AAH07909, 1 a.a. ~ 439 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSTNDTIVSGTLPQRMASCLEVLDFLNQPHMVLSSFVLAEKAAAYRDRDSQR DLVEAVAHILGIRDLA AVNLDSSLADLGLDSLMSVEVRQTLERELNLVLSVREVR QLTLRKLQELSSKADEASELACPTPKEDGLAQQQTQLNLRSLLVNPEGPTLMR LNSVQSSERPLFLVHPIEGSTTVFHSLASGLSIPTYGLQCTRAAPLDSIHSLAAY YIDCIRQVQPEGPYRVAGYSYGACVAFEMCSQLQAQQSPAPTHNSLFLFDGSP TYVLAYTQSYRAKLTGCEAEAEAEICFFVQQFTDMEHNRVLEALLPLKGLEE RVAAVDLIKSHQGLDRQELSFAARSFYKLRAAEQYTPKAKYHGNVMLLRAK TGGAYGEDLGADYNLSQVCDGKVSVHVIEGDHRTLLEGSGLESIIISIIHSSLAEP RVSVREG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

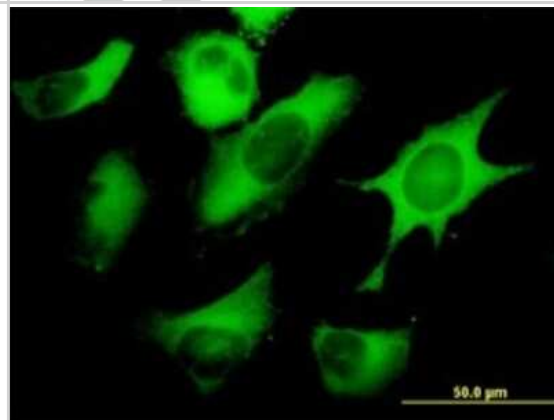
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Sandwich ELISA Capture
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Sandwich ELISA 1:100-1:2000, Sandwich ELISA Capture
Application Notes	Antibody reactivity against recominant protein and cell lysate for WB. It has also been used for IF, IHC-P and ELISA.

Images

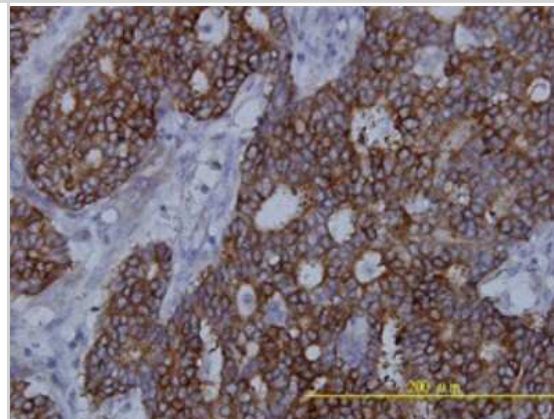
Western Blot: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - Analysis of FASN expression in transfected 293T cell line by FASN monoclonal antibody (M01), clone 3F2-1F3. Lane 1: FASN transfected lysate(48.3 KDa). Lane 2: Non-transfected lysate.



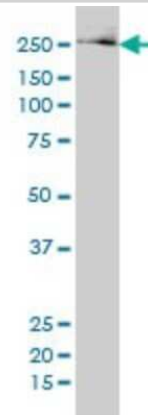
Immunocytochemistry/Immunofluorescence: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - Analysis of monoclonal antibody to FASN on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - Analysis of monoclonal antibody to FASN on formalin-fixed paraffin-embedded human breast cancer tissue. Antibody concentration 10 ug/ml.



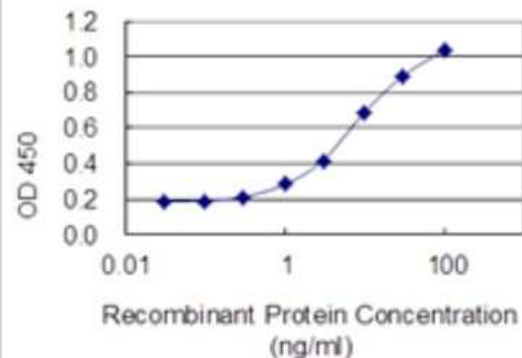
Western Blot: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - FASN monoclonal antibody (M01), clone 3F2-1F3 Analysis of FASN expression in 293.



Immunoprecipitation: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - Analysis of FASN transfected lysate using anti-FASN monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FASN MaxPab rabbit polyclonal antibody.



Sandwich ELISA Capture: Fatty Acid Synthase/FASN Antibody (3F2-1F3) [H00002194-M01] - Detection limit for recombinant GST tagged Fatty Acid Synthase/FASN is 0.1 ng/ml as a capture antibody.



Publications

Groves JA, Maduka AO, O'Meally RN et al. Fatty acid synthase inhibits the O-GlcNAcase during oxidative stress. *J. Biol. Chem.* 2017-02-23 [PMID: 28232487] (WB, Human)

Gorr TA, Wichmann D, Pilarsky C et al. Old proteins - new locations: myoglobin, haemoglobin, neuroglobin and cytoglobin in solid tumours and cancer cells. *Acta Physiol (Oxf).* 2010-11-12 [PMID: 20958924]

Meller S, Bicker A, Montani M et al. Myoglobin expression in prostate cancer is correlated to androgen receptor expression and markers of tumor hypoxia. *Virchows Arch.* 2014-08-30 [PMID: 25172328]

Kristiansen G, Rose M, Geisler C et al. Endogenous myoglobin in human breast cancer is a hallmark of luminal cancer phenotype. *Br J Cancer*;102(12):1736-45. 2010-06-08 [PMID: 20531416]



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Products Related to H00002194-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00002194-P01-10ug	Recombinant Human Fatty Acid Synthase/FASN GST (N-Term) Protein

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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