10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FASN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant FASN.
Catalog # AT2002a

Specification

FASN Antibody (monoclonal) (M01) - Product Information

Application	**IF, IP, WB, IHC**
Primary Accession	P49327
Other Accession	BC007909
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**273427**

FASN Antibody (monoclonal) (M01) - Additional Information

Gene ID 2194

Other Names
Fatty acid synthase, [Acyl-carrier-protein] S-acetyltransferase, [Acyl-carrier-protein] S-malonyltransferase, 3-oxoacyl-[acyl-carrier-protein] synthase, 3-oxoacyl-[acyl-carrier-protein] reductase, 3-hydroxyacyl-[acyl-carrier-protein] dehydratase, Enoyl-[acyl-carrier-protein] reductase, Oleoyl-[acyl-carrier-protein] hydrolase, FASN, FAS

Target/Specificity
FASN (AAH07909, 1 a.a. ~ 439 a.a) full-length 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
FASN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

FASN Antibody (monoclonal) (M01) - Protocols

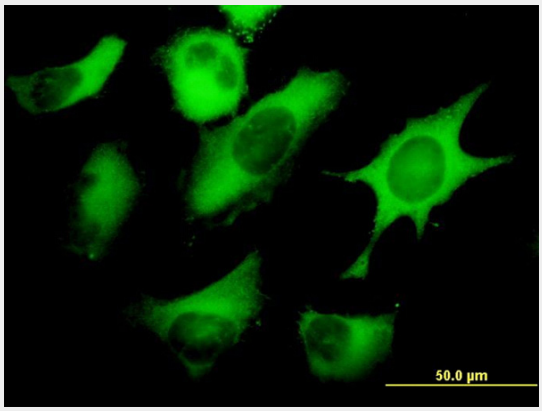
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

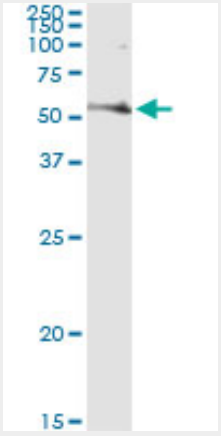
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

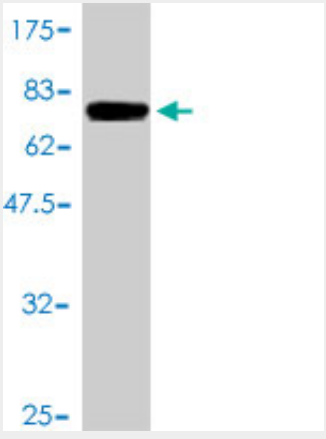
FASN Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to FASN on HeLa cell. [antibody concentration 10 ug/ml]

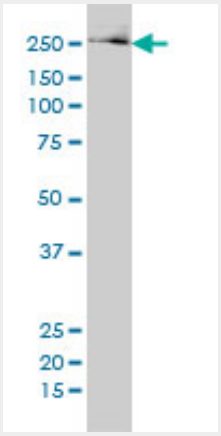


Immunoprecipitation of FASN transfected lysate using anti-FASN monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with FASN MaxPab rabbit polyclonal antibody.

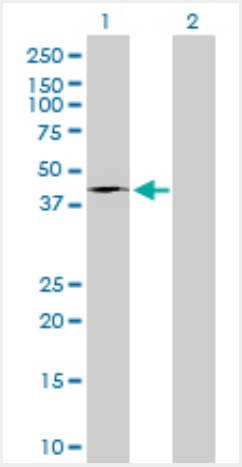


10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (74.03 KDa) .

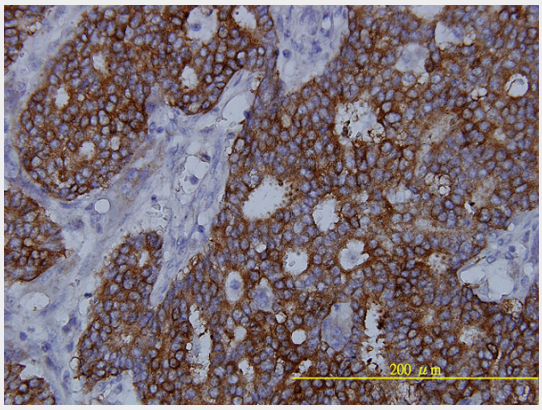


FASN monoclonal antibody (M01), clone 3F2-1F3 Western Blot analysis of FASN expression in 293 ((Cat # AT2002a)



Western Blot 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.



Immunoperoxidase of monoclonal antibody to FASN on formalin-fixed paraffin-embedded human breast cancer tissue. [antibody concentration 10 ug/ml]

FASN Antibody (monoclonal) (M01) - Background

The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha.

FASN Antibody (monoclonal) (M01) - References

1.Old proteins - new locations: myoglobin, haemoglobin, neuroglobin and cytoglobin in solid tumours and cancer cells.Gorr TA, Wichmann D, Pilarsky C, Theurillat JP, Fabrizius A, Laufs T, Bauer T, Koslowski M, Horn S, Burmester T, Hankeln T, Kristiansen G.Acta Physiol (Oxf). 2011 Jul;202(3):563-581.2.Endogenous myoglobin in human breast cancer is a hallmark of luminal cancer phenotype.Kristiansen G, Rose M, Geisler C, Fritzsche FR, Gerhardt J, Luke C, Ladhoff AM, Knuchel R, Dietel M, Moch H, Varga Z, Theurillat JP, Gorr TA, Dahl E.Br J Cancer. 2010 Jun 8;102(12):1736-45.