

FASN Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a full length recombinant FASN.****Catalog # AT2003a****Specification**

FASN Antibody (monoclonal) (M03) - Product Information

Application	WB
Primary Accession	P49327
Other Accession	BC007909
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	273427

FASN Antibody (monoclonal) (M03) - 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) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

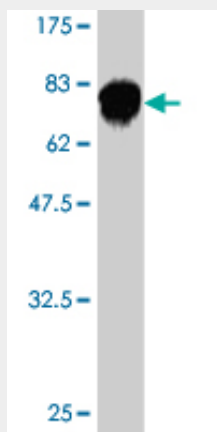
FASN Antibody (monoclonal) (M03) - Protocols

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

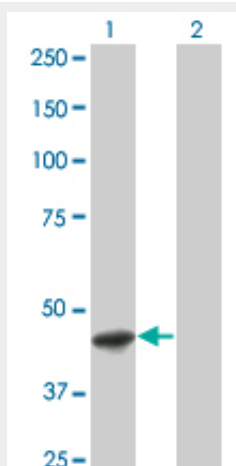
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FASN Antibody (monoclonal) (M03) - Images



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



Western Blot analysis of FASN expression in transfected 293T cell line by FASN monoclonal antibody (M03), clone S1.

Lane 1: FASN transfected lysate (48.3 KDa).

Lane 2: Non-transfected lysate.

FASN Antibody (monoclonal) (M03) - 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) (M03) - References

Fatty acid synthase polymorphisms, tumor expression, body mass index, prostate cancer risk, and survival. Nguyen PL, et al. J Clin Oncol, 2010 Sep 1. PMID 20679621. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruafo G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615. Hyperglycaemia confers resistance to chemotherapy on breast cancer cells: the role of fatty acid synthase. Zeng L, et al. Endocr Relat Cancer, 2010 Jun. PMID 20356977. Extracellular fatty acid synthase: a possible surrogate biomarker of insulin resistance. Fernandez-Real JM, et al. Diabetes, 2010 Jun. PMID 20299470.