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FASN Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant FASN.
Catalog # AT2003a

Product Information

Application	WB
Primary Accession	P49327
Other Accession	BC007909
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	S1
Calculated MW	273427

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.

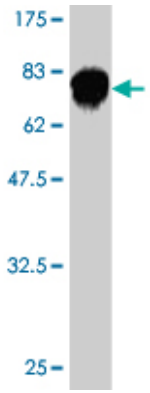
Background

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.

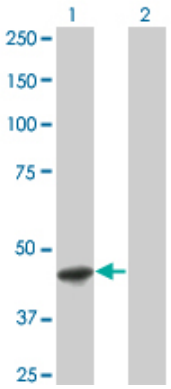
References

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 Thiazolinedinedione-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? Rua?o 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.