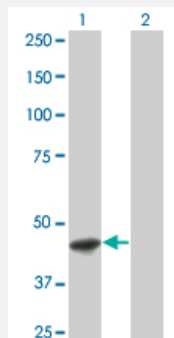


FASN monoclonal antibody (M03), clone S1

Catalog # H00002194-M03

Size 100 ug

Applications

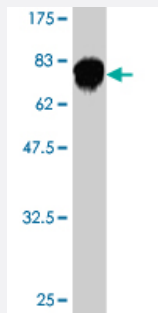


Western Blot (Transfected lysate)

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.



Western Blot detection against Immunogen (74.03 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant FASN.

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.

Sequence

MSTNDTVSGTLPQRMASCLEVLDFLNQPHMVLSSFVLAEKAAAYRDRDSQRDLVEAVAHILGIR
DLAAVNLDSSLADLGLDSLMSVEVRQTLERELNLVSVREVRQLTLRKLQELSSKADEASELAC
PTPKEDGLAQQQTQLNLRSLLVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSLASGLSIPT
YGLQCTRAAPLDSIHSLAAYYIDCIRQVQPEGPYRVAGYSYGACVAFEMCSQLQAQQSPAPTHNS
LFLFDGSPTYVLAYTQSYRAKLTPGCEAEAEATEAICFFVQQFTDMEHNRVLEALLPLKGLEERVAA
AVDLIIKSHQGLDRQELSFAARSFYKLRAAEQYTPKAKYHGNVMLLRAKTGGA YGEDLGADYNLS
QVCDGKVS VHVIEGDHRTLLEGGSGLESIIISIIHSSLAEP RVSVREG

Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (74.03 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — FASN

Entrez GeneID	2194
GeneBank Accession#	BC007909
Protein Accession#	AAH07909
Gene Name	FASN
Gene Alias	FAS, MGC14367, MGC15706, OA-519, SDR27X1
Gene Description	fatty acid synthase
Omim ID	600212

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

short chain dehydrogenase/reductase family 27X, member 1

Pathway

- [Fatty acid biosynthesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Obesity](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Weight Gain](#)