Anti-Fatty Acid Synthase/FASN Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016240

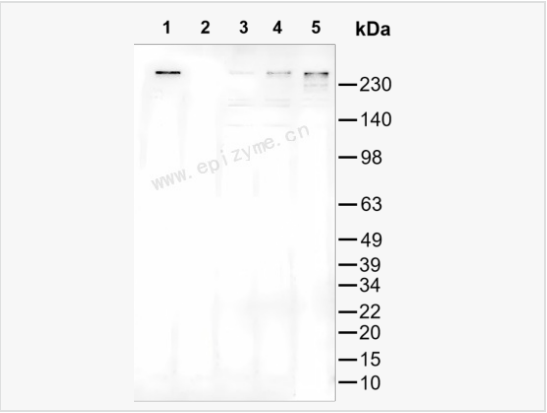
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	86J41J75
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein corresponding to human Fatty Acid Synthase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Fatty Acid Synthase/FASN Mouse mAb [86J41J75] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	[Acyl-carrier-protein] S acetyltransferase; [Acyl-carrier-protein] S malonyltransferase; 3-hydroxypalmitoyl-[acyl-carrier-protein] dehydratase; 3-oxoacyl-[acyl-carrier-protein] reductase; 3-oxoacyl-[acyl-carrier-protein] synthase; Enoyl-[acyl-carrier-protein] reductase; FAS; FAS_HUMAN; FASN; Fatty acid synthase.
Calculated MW	Calculated MW: 273 kDa; Observed MW: 273 kDa
Uniprot ID	P49327
Gene ID	2194
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. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm; Melanosome.
Tissue Location	Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

Validation Images



Western Blot - Anti-Fatty Acid Synthase/FASN Mouse mAb [86J41J75]
All lanes: M016240 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 273 kDa
Observed band size: 273 kDa
Developed using the ECL technique (Cat. No. SQ201).