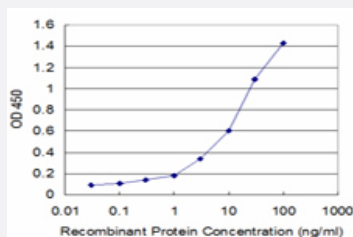


FASN monoclonal antibody (M07), clone 3A2

Catalog # H00002194-M07

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FASN is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FASN.
Immunogen	FASN (NP_004095, 2378 a.a. ~ 2477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEHNRVLEALLPLKGLEERVAAVDLIKSHQGLDRQELSFAARSFYYKLRAAEQYTPKAKYHGNV MLLRAKTGGAYGEDLGADYNLSQVCDGKVSVHVI
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FASN is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — FASN

Entrez GeneID [2194](#)

GeneBank Accession# [NM_004104](#)

Protein Accession# [NP_004095](#)

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](#)