

**Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody**  
**Catalog # ABO13495****Specification****Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">P49327</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 2194

**Other Names**

Fatty acid synthase, 2.3.1.85, Type I fatty acid synthase, [Acyl-carrier-protein] S-acetyltransferase, 2.3.1.38, [Acyl-carrier-protein] S-malonyltransferase, 2.3.1.39, 3-oxoacyl-[acyl-carrier-protein] synthase, 2.3.1.41, 3-oxoacyl-[acyl-carrier-protein] reductase, 1.1.1.100, 3-hydroxyacyl-[acyl-carrier-protein] dehydratase, 4.2.1.59, Enoyl-[acyl-carrier-protein] reductase, 1.3.1.39, Acyl-[acyl-carrier-protein] hydrolase, 3.1.2.14, FASN, FAS

**Calculated MW**

273427 MW KDa

**Application Details**

WB 1:1000-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50

**Subcellular Localization**

Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Tissue Specificity**

Ubiquitous. Prominent expression in brain, lung, and liver..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human FASN

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody - Protein Information**

**Name** FASN

**Synonyms** FAS

**Function**

Fatty acid synthetase is a multifunctional enzyme that catalyzes the de novo biosynthesis of long-chain saturated fatty acids starting from acetyl-CoA and malonyl-CoA in the presence of NADPH. This multifunctional protein contains 7 catalytic activities and a site for the binding of the prosthetic group 4'-phosphopantetheine of the acyl carrier protein ([ACP]) domain.

**Cellular Location**

Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

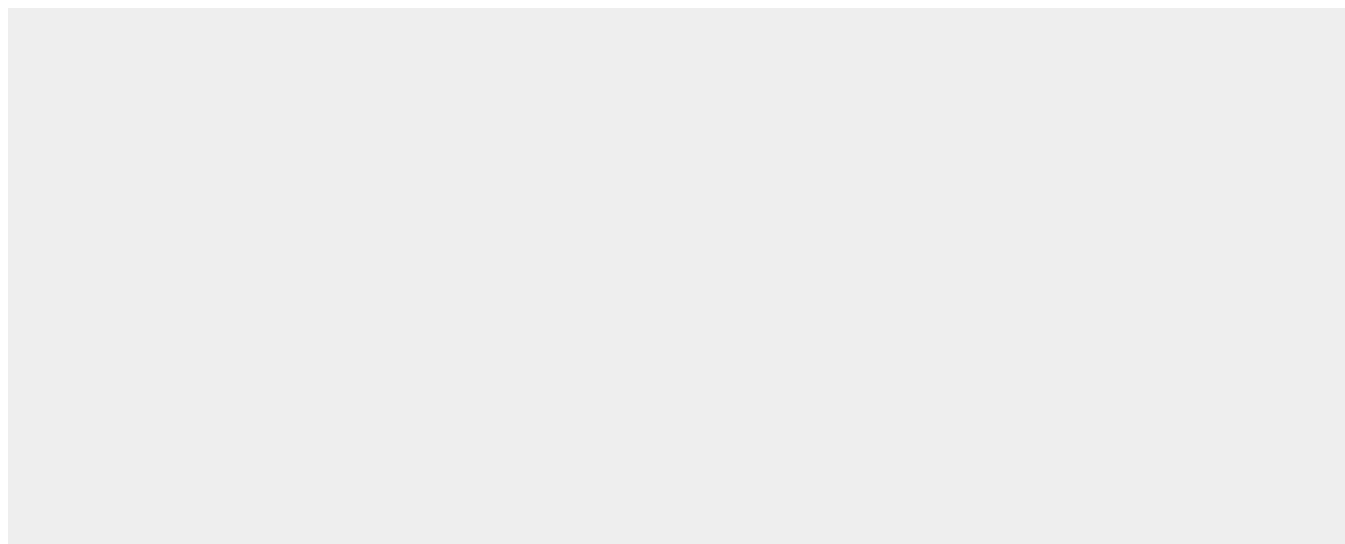
**Tissue Location**

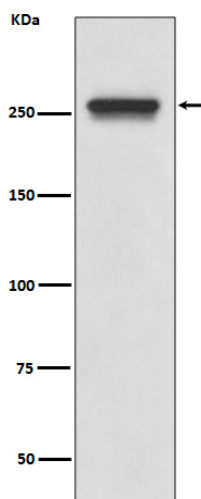
Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

**Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody - Protocols**

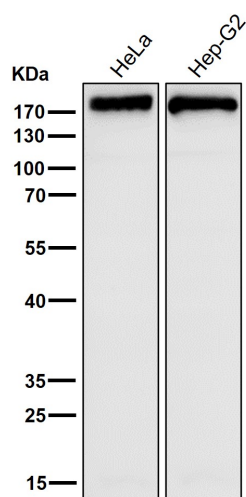
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-FASN/Fatty Acid Synthase Rabbit Monoclonal Antibody - Images**



Western blot analysis of FASN expression in A549 cell lysate.



All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.