

**Anti-Fatty Acid Synthase Antibody**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # AP53387****Specification**

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**Anti-Fatty Acid Synthase Antibody - Product Information**

Application	WB, IF, IP
Primary Accession	<a href="#">P49327</a>
Other Accession	<a href="#">NM_004104</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Immunogen	Purified recombinant human Fatty Acid Synthase protein fragments expressed in E.coli.
Purification	Affinity purified
Calculated MW	273 KDa

**Anti-Fatty Acid Synthase Antibody - Additional Information****Gene ID** 2194**Other Names**

[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]

**Dilution**

WB~~1:1000  
IF~~1:50~200  
IP~~N/A

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-Fatty Acid Synthase 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

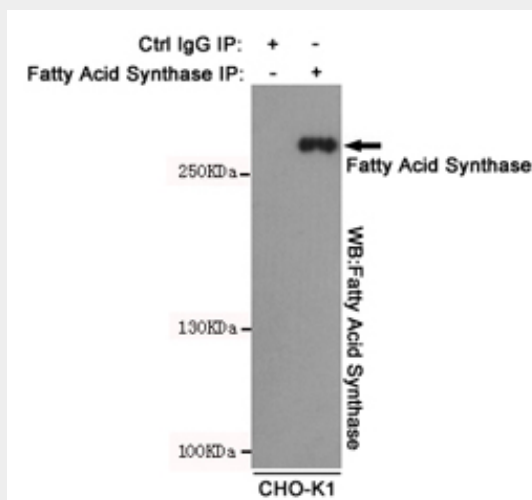
Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

### Anti-Fatty Acid Synthase Antibody - Protocols

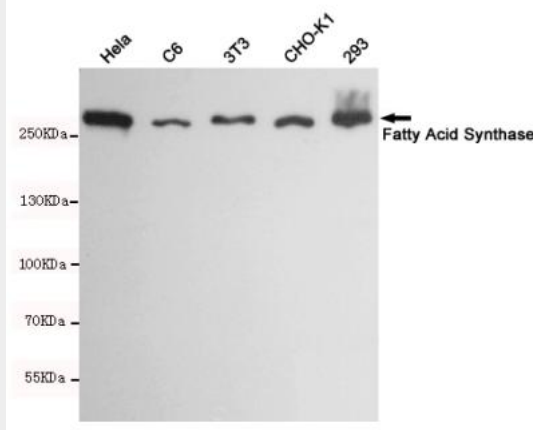
Provided below are standard protocols that you may find useful for product applications.

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

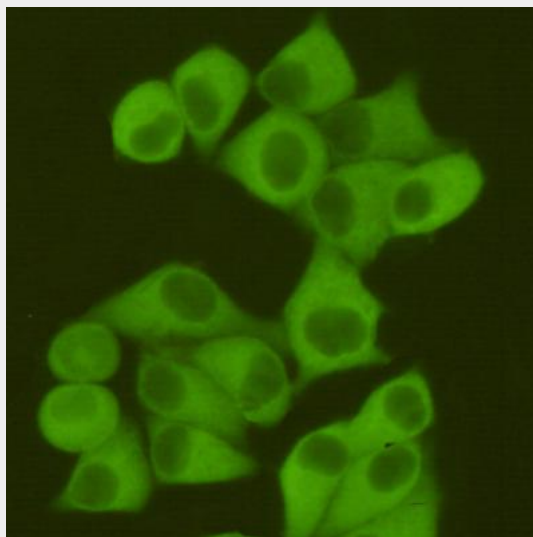
### Anti-Fatty Acid Synthase Antibody - Images



Immunoprecipitation analysis of CHO-K1 cell lysates using Fatty Acid Synthase mouse mAb.



Western blot detection of Fatty Acid Synthase in HeLa, C6, 3T3, CHO-K1 and 293 cell lysates using Fatty Acid Synthase mouse mAb (dilution 1:1000). Predicted band size: 273kDa. Observed band size: 273kDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Fatty Acid Synthase mouse mAb (dilution 1:400).

### **Anti-Fatty Acid Synthase Antibody - Background**

Fatty acid synthetase catalyzes the formation of long-chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein.