

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

Anti-Fatty Acid Synthase Antibody - Product Information

Application	IP, WB, ICC
Primary Accession	P49327
Other Accession	NM_004104
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

ICC~~1:400

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

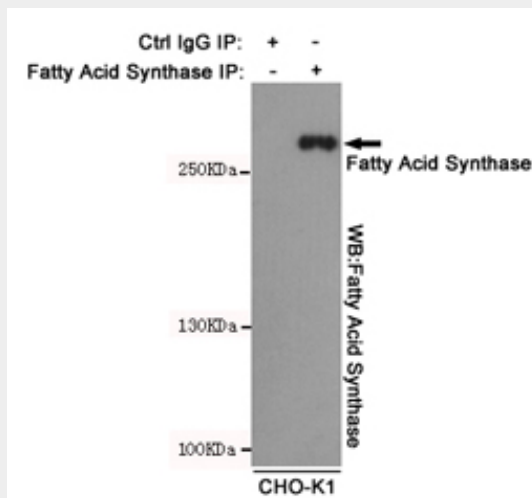
Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

Anti-Fatty Acid Synthase Antibody - Protocols

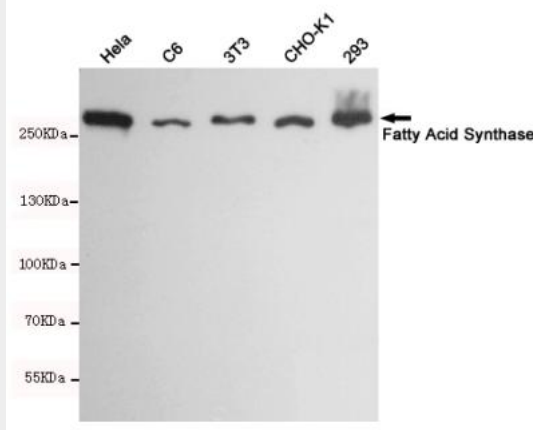
Provided below are standard protocols that you may find useful for product applications.

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

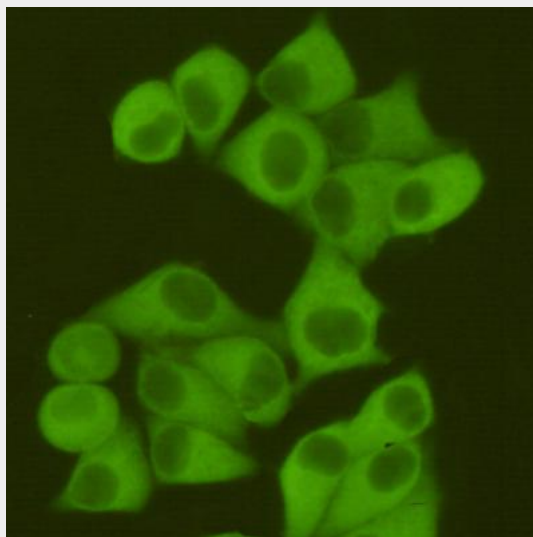
Anti-Fatty Acid Synthase Antibody - Images



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: 273 kDa. Observed band size: 273 kDa.



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.