

Anti-Fatty Acid Synthase Antibody

Mouse Anti Human Monoclonal Antibody Catalog # AP53387

Specification

Anti-Fatty Acid Synthase Antibody - Product Information

Application WB, IF, IP
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 IF~~1:50~200 IP~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

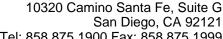
Anti-Fatty Acid Synthase Antibody - Protein Information

Name FASN

Synonyms FAS

Function

Fatty acid synthetase is a multifunctional enzyme that catalyzes the de novo biosynthesis of





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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

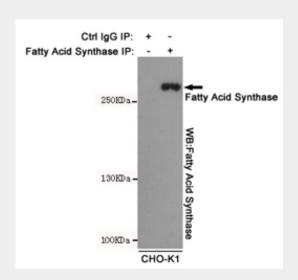
Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

Anti-Fatty Acid Synthase Antibody - Protocols

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

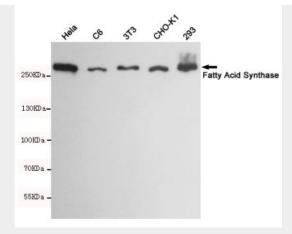
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Fatty Acid Synthase Antibody - Images

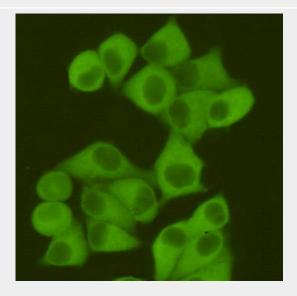


Immunoprecipitation analysis of CHO-K1 cell lysates using Fatty Acid Synthase mouse mAb.





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.