

Anti-Fatty Acid Synthase Antibody
Affinity purified Mouse Anti Human Monoclonal Antibody
Catalog # AP53449**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	IgG1
Immunogen	a synthetic peptide
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] reductase; FAS; FAS_HUMAN; FASN; Fatty acid synthase; MGC14367; MGC15706; OA 519; Oleoyl-[acyl-carrier-protein] hydrolase; SDR27X1; Short chain dehydrogenase/reductase family 27X member 1.

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

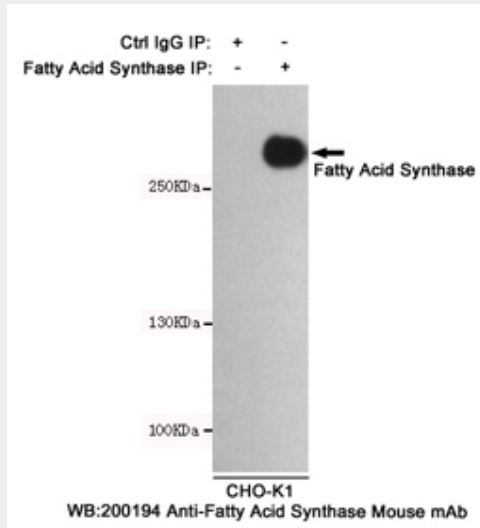
Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

Anti-Fatty Acid Synthase Antibody - Protocols

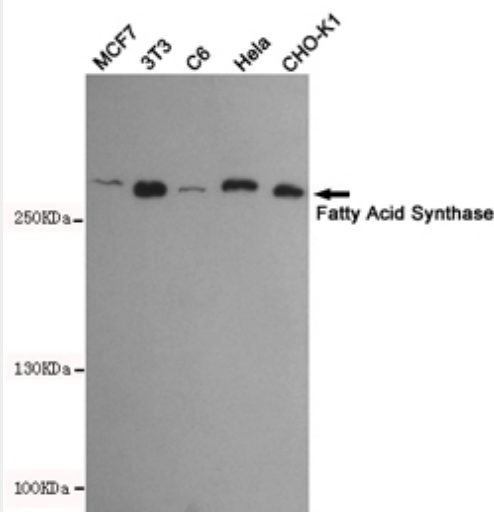
Provided below are standard protocols that you may find useful for product applications.

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

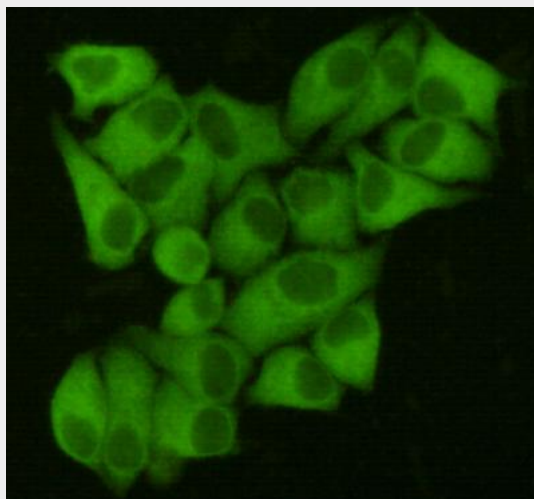
Anti-Fatty Acid Synthase Antibody - Images



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 MCF7 cell lysates using Fatty Acid Synthase mouse mAb (dilution 1:500). 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 1:200).

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.