



Fatty Acid Synthase mouse mAb

| E.coli. Specificity This antibody detects endogenous levels of Fatty Acid Synthase and does no cross-react with related proteins. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse Purification The antibody was affinity-purified from mouse ascites by affinity-chromatogral using epitope-specific immunogen. Dilution wb 1:1000 icc 1:400. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms [Acyl-carrier-protein] S acetyltransferase;[Acyl-carrier-protein] S malonyltransferase;3-hydroxypalmitoyl-[acyl-carrier-protein] dehydratase;3-oxoacyl-[acyl-carrier-protein] synthase;Enoyl-[acyl-carrier-protein] of the delydratase;3-oxoacyl-[acyl-carrier-protein] synthase;Enoyl-[acyl-carrier-protein] Cobserved Band Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. | | |
|--|--------------------|--|
| Reactivity Human;Mouse;Rat;Monkey;Bovine Applications WB;IP;IF Gene Name fasn Protein Name Purified recombinant human Fatty Acid Synthase protein fragments expressed E.coli. Specificity This antibody detects endogenous levels of Fatty Acid Synthase and does not cross-react with related proteins. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse Purification The antibody was affinity-purified from mouse ascites by affinity-chromatogral using epitope-specific immunogen. Dilution wb 1:1000 icc 1:400. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms [Acyl-carrier-protein] S acetyltransferase;[Acyl-carrier-protein] S malonyltransferase;3-hydroxypalmitoyl-[acyl-carrier-protein] dehydratase;3-oxoacyl-[acyl-carrier-protein] synthase;Enoyl-[acyl-carrier-protein] reductase;3-oxoacyl-[acyl-carrier-protein] synthase;Enoyl-[acyl-carrier-protein] Observed Band 273kD Cell Pathway Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. | Catalog No | BYab-02356 |
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| Tissue Specificity Ubiquitous. Prominent expression in brain, lung, liver and mammary gland. | Cell Pathway | Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. |
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| Function catalytic activity:(3R)-3-hydroxyacyl-[acyl-carrier-protein] + NADP(+) = 3-oxoacyl-[acyl-carrier-protein] + NADPH.,catalytic activity:(3R)-3-hydroxypalmitoyl-[acyl-carrier-protein] = | Function | catalytic activity:(3R)-3-hydroxyacyl-[acyl-carrier-protein] + NADP(+) = 3-oxoacyl-[acyl-carrier-protein] + NADPH.,catalytic activity:(3R)-3-hydroxypalmitoyl-[acyl-carrier-protein] = hexadec-2-enoyl-[acyl-carrier-protein] + H(2)O.,catalytic activity:Acetyl-CoA + [acyl-carrier-protein] = CoA + acetyl-[acyl-carrier-protein].,catalytic activity:Acetyl-CoA + n malonyl-CoA + 2n NADPH = a long-chain fatty acid + (n+1) CoA + n CO(2) + 2n NADP(+).,catalytic activity:Acyl-[acyl-carrier-protein] + |

Nanjing BYabscience technology Co.,Ltd

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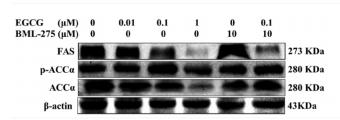


| | malonyl-[acyl-carrier-protein] = 3-oxoacyl-[acyl-carrier-protein] + CO(2) + [acyl-carrier-protein].,catalytic activity:Acyl-[acyl-carrier-protein] + NADP(+) = trans-2,3-dehydroacyl-[acyl-carrier-protein] + NADPH.,catalytic activity:Malonyl-CoA + [acyl-carrier-protein] = CoA + malonyl-[acyl-carrier-protein].,catalytic activity:Oleoyl-[acyl-carrier-protein] + H(2)O = [acyl-carrier-protein] + oleate.,functi |
|---------------------------|---|
| Background | The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha. [provided by RefSeq, Jul 2008], |
| matters needing attention | Avoid repeated freezing and thawing! |
| Usage suggestions | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

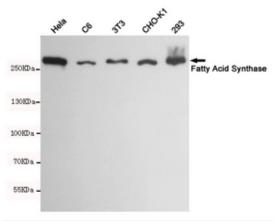




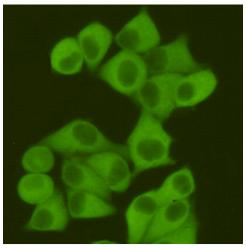
Products Images



Ding, Hongyan, et al. "Epigallocatechin-3-gallate activates the AMP-activated protein kinase signaling pathway to reduce lipid accumulation in canine hepatocytes." Journal of Cellular Physiology 236.1 (2021): 405-416.



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).

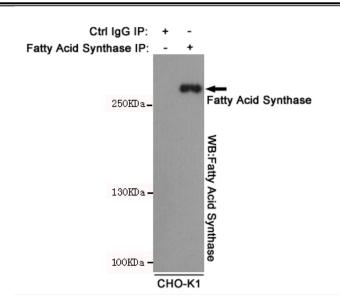
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Immunoprecipitation analysis of CHO-K1 cell lysates using Fatty Acid Synthase mouse mAb.

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