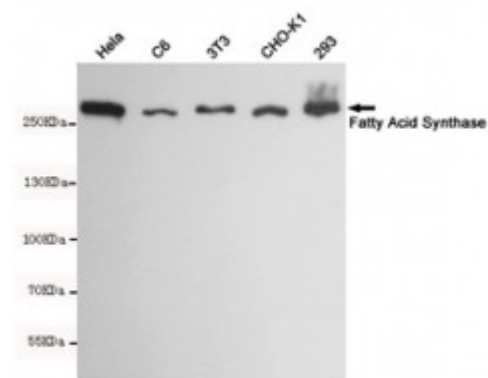


## Anti-Fatty Acid Synthase antibody



|                           |                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Mouse monoclonal to Fatty Acid Synthase.                                                                                                                                                                 |
| <b>Model</b>              | STJ99046                                                                                                                                                                                                 |
| <b>Host</b>               | Mouse                                                                                                                                                                                                    |
| <b>Reactivity</b>         | Human, Mouse, Rat, Simian                                                                                                                                                                                |
| <b>Applications</b>       | ELISA, WB                                                                                                                                                                                                |
| <b>Immunogen</b>          | Purified recombinant human Fatty Acid Synthase protein fragments expressed in E.coli.                                                                                                                    |
| <b>Gene ID</b>            | <a href="#">2194</a>                                                                                                                                                                                     |
| <b>Gene Symbol</b>        | <a href="#">FASN</a>                                                                                                                                                                                     |
| <b>Dilution range</b>     | WB 1:500-2000ELISA 1:10000-20000                                                                                                                                                                         |
| <b>Specificity</b>        | This antibody detects endogenous levels of Fatty Acid Synthase and does not cross-react with related proteins.                                                                                           |
| <b>Tissue Specificity</b> | Ubiquitous. Prominent expression in brain, lung, and liver.                                                                                                                                              |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                    |
| <b>Clone ID</b>           | 2F9-B2-B6                                                                                                                                                                                                |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                             |
| <b>Protein Name</b>       | Fatty acid synthase Includes: Acyl-carrier-protein S-acetyltransferase Acyl-carrier-protein S-malonyltransferase 3-oxoacyl- acyl-carrier-protein synthase 3-oxoacyl- acyl-carrier-protein reductase 3-hy |

|                              |                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>      | 273kDa                                                                                                                                                                                                   |
| <b>Clonality</b>             | Monoclonal                                                                                                                                                                                               |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                             |
| <b>Isotype</b>               | IgG2a                                                                                                                                                                                                    |
| <b>Formulation</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                  |
| <b>Concentration</b>         | 1 mg/ml                                                                                                                                                                                                  |
| <b>Storage Instruction</b>   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                     |
| <b>Database Links</b>        | <a href="#">HGNC:3594OMIM:600212</a>                                                                                                                                                                     |
| <b>Alternative Names</b>     | Fatty acid synthase Includes: Acyl-carrier-protein S-acetyltransferase Acyl-carrier-protein S-malonyltransferase 3-oxoacyl- acyl-carrier-protein synthase 3-oxoacyl- acyl-carrier-protein reductase 3-hy |
| <b>Function</b>              | 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.     |
| <b>Cellular Localization</b> | Cytoplasm Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.                                                                                                  |

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