

Fatty Acid Synthase polyclonal antibody

Catalog: BS6050

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Fatty acid biosynthesis is mediated by seven catalytic enzymes and an acyl carrier protein (ACP), to which various acyl intermediates are covalently attached. Fatty Acid Synthase (FAS) is the anabolic enzyme that contains the seven unique catalytic sites and mediates the conversion of acetyl-CoA and malonyl-CoA, in the presence of the cofactor NADPH, into long-chain saturated fatty acids, such as palmitate. Human Fatty Acid Synthase cDNA encodes a 2,504 amino acid protein. Catalytically active Fatty Acid Synthase is a homodimer. Human Fatty Acid Synthase mRNA is variably expressed with abundant levels present in brain, lung and liver. Fatty acid synthetic metabolism is abnormally elevated in tumor cells and may support cell growth or survival of malignant cancers.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 270 kDa

Swiss-Prot:

P49327

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000
IHC 1:50 - 1:200
IF 1:50 - 1:200

Storage&Stability:

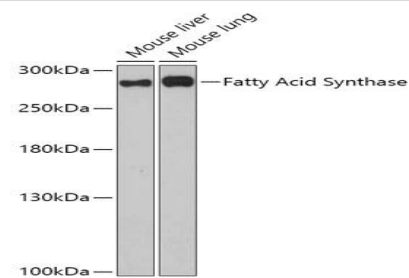
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

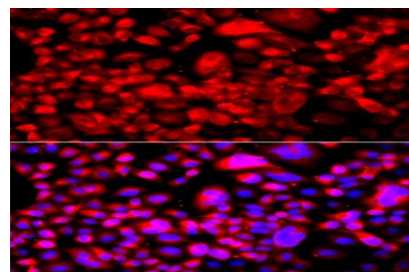
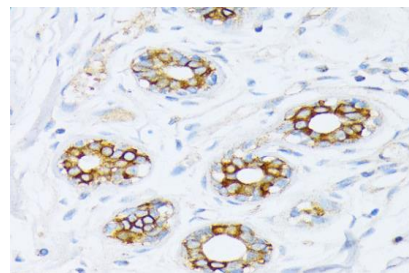
FASN polyclonal antibody detects endogenous levels of

FASN protein.

DATA:



WesternBlot (WB) analysis of FASN polyclonal antibody in extracts from Hela, Molt-4 and 293T cells.



Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug FASN antibody.

Note:

For research use only, not for use in diagnostic procedure.

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