

Anti-FASN (KO validated) Antibody

CATALOG NO.: A2076-100 (100 µl)

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: FAS; OA-519; SDR27X1; FASN

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant fusion protein targeting a sequence around aa 2212-2511 of human FASN

MOLECULAR WEIGHT: 275 kDa

PURIFICATION: Affinity purified

FORM: Liquid

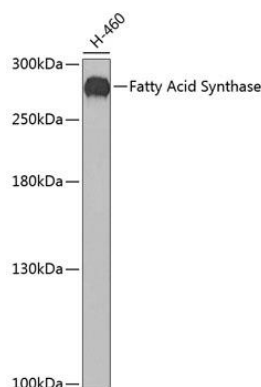
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human

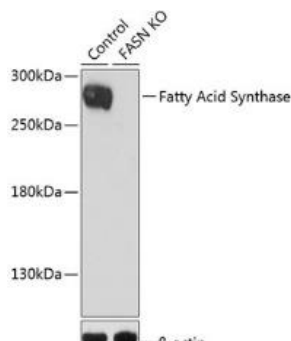
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:2000, IHC 1:50 - 1:100, IF 1:50 - 1:200

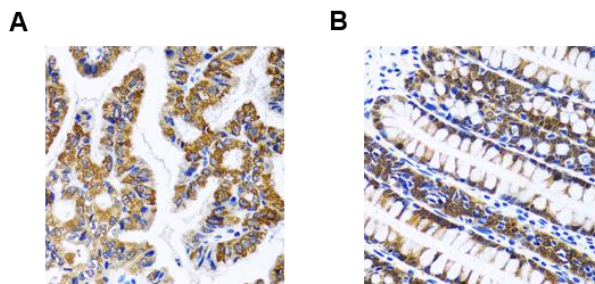
This information is only intended as a guide. The optimal dilutions must be determined by the user



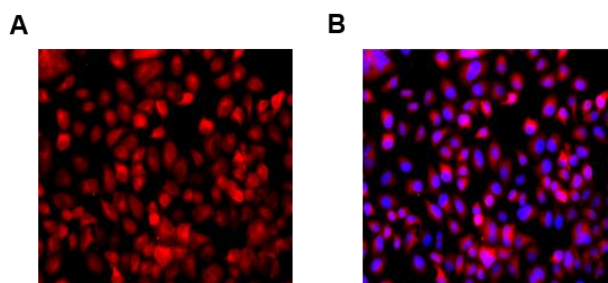
Western blot analysis of H460 cell extracts using Anti-FASN (KO validated) antibody at 1:200 dilution. HRP Goat Anti-Rabbit IgG (H+L) was used as secondary antibody at 1:10000 dilution. 25 µg of lysates/proteins were loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer and detection was performed using ECL Basic Kit. Exposure time: 90s.



Western blot analysis of normal (control) and Fatty Acid Synthase knockout (KO) 293T cells using Anti-FASN (KO validated) antibody at 1:1000 dilution. HRP Goat Anti-Rabbit IgG (H+L) was used as secondary antibody at 1:10000 dilution. 25 µg of lysates/proteins were loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer and detection was performed using ECL Basic Kit. Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human colon (A), and human gastric cancer (B) using Anti-FASN (KO validated) antibody at dilution of 1:100. Magnification: 40x.



Immunofluorescence analysis of A549 cells using Anti-FASN (KO validated) antibody. Blue: DAPI for nuclear staining.

RELATED PRODUCTS:

Anti- Acetyl-CoA Carboxylase 1, Rabbit Monoclonal Antibody (A1133)
Anti-ER-alpha Antibody (A2016)
Anti-HIF-1-alpha, Rabbit Monoclonal Antibody (A1128)
SREBP1 Antibody

FOR RESEARCH USE ONLY! Not to be used on humans.