

Rabbit Fatty Acid Synthase Polyclonal Antibody | anti-FASN antibody

FASN Polyclonal Antibody

CATALOG # AAA10626	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunoprecipitation, Immunofluorescence
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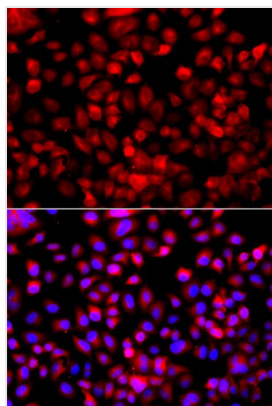
PRODUCT SYNONYMS

Fatty Acid Synthase; Polyclonal Antibody; FASN Polyclonal Antibody; FASN; Fatty Acid Synthase ; FAS; MGC14367; MGC15706; OA-519; SDR27X1; Oleoyl-[acyl-carrier-protein] hydrolase;; anti-FASN antibody

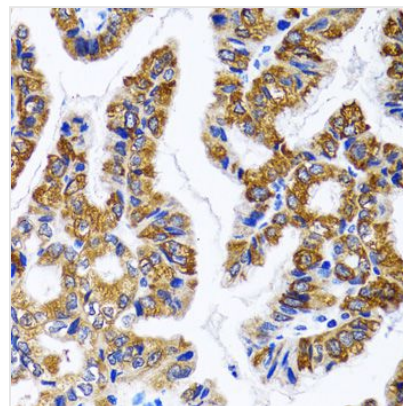
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	2511
Applicable Applications for anti-FASN antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), IF (Immunofluorescence)
Application Notes	Western Blot (WB): 1:500-1: 2000 Immunohistochemistry (IHC): 1:50-1:100 Immunofluorescence (IF): 1:50-1:200 Immunoprecipitation (IP): 1:50-1:100
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 2212-2511 of human Fatty Acid Synthase (NP_004095.4).
Cross Reactivity	Human
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles

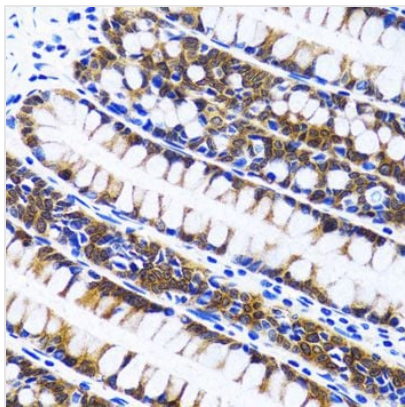
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using Fatty Acid Synthase antibody (AAA10626).
Blue: DAPI for nuclear staining

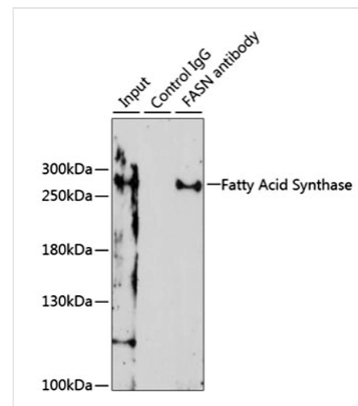

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using FASN antibody at dilution of 1:100 (40x lens).



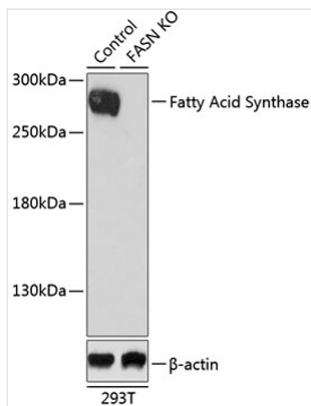
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using FASN antibody at dilution of 1:100 (40x lens).



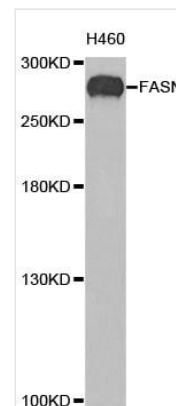
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of H460 cells, using 3 ug Fatty Acid Synthase antibody (AAA10626). Western blot was performed from the immunoprecipitate using Fatty Acid Synthase antibody (AAA10626) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of extracts from normal (control) and Fatty Acid Synthase knockout (KO) 293T cells, using Fatty Acid Synthase antibody (AAA10626) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



WB (Western Blot)

Western blot analysis of extracts of H460 cells, using FASN antibody at 1:200 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-FASN antibody	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.
References	1. Katsurada, A. et al. (1990) Eur J Biochem 190, 427-33. 2. Wells, W.A. et al. (2006) Breast Cancer Res Treat 98, 231-40. 3. Kawamura, T. et al. (2005) Pathobiology 72, 233-240. 4. Shah, U.S. et al. (2006) Hum Pathol 37, 401-409. 5. Kuhajda, F.P. (2000) Nutrition 16, 20-28. 6. Tian, W.X. (2006) Curr Med Chem 13, 967-977. 7. Kusunoki, J. et al. (2006) Endocrine 29, 91-100.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872631
NCBI GeneID	2194
NCBI Accession #	NP_004095.4
NCBI GenBank Nucleotide #	NM_004104.4
UniProt Accession #	P49327 ; Q13479 ; Q16702 ; Q4LE83 ; Q6P4U5 ; Q6SS02 ; Q969R1 ; Q96C68 ; Q96IT0
Molecular Weight	Observed MW: 275kDa Calculated MW: 273kDa

NCBI Official Full Name	fatty acid synthase
NCBI Official Synonym Full Names	fatty acid synthase
NCBI Official Symbol	FASN
NCBI Official Synonym Symbols	FAS; OA-519; SDR27X1
NCBI Protein Information	fatty acid synthase; short chain dehydrogenase/reductase family 27X, member 1
UniProt Protein Name	Fatty acid synthase
UniProt Gene Name	FASN
UniProt Synonym Gene Names	FAS
UniProt Entry Name	FAS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fatty-acid-synthase-antibody-western-blot-immunohistochemistry-immunoprecipitation-immunofluorescence-elisa/10626>