

ARG55898 anti-Fatty Acid Synthase antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Fatty Acid Synthase
Tested Reactivity	Hu, Ms, Rat, Hm
Predict Reactivity	Mk
Tested Application	ICC/IF, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	Fatty Acid Synthase
Species	Human
Immunogen	Purified recombinant Human Fatty Acid Synthase fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	EC 2.3.1.85; EC 1.3.1.39; Fatty acid synthase; EC 2.3.1.41; FAS; EC 4.2.1.59; OA-519; EC 2.3.1.38; EC 2.3.1.39; EC 3.1.2.14; EC 1.1.1.100; SDR27X1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:400
	IP	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

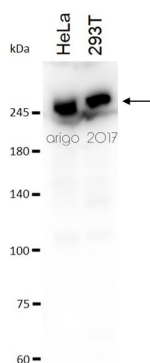
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.03% Proclin-300 and 50% Glycerol
Preservative	0.03% Proclin-300
Stabilizer	50% Glycerol
Concentration	4.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

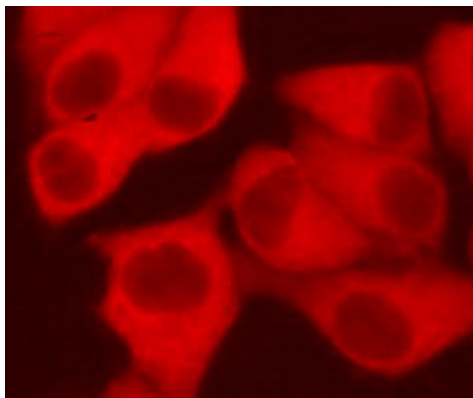
Gene Symbol	FASN
Gene Full Name	fatty acid synthase
Background	The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell 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]
Function	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. [UniProt]
Calculated Mw	273 kDa
Cellular Localization	Cytoplasm; Melanosome

Images



ARG55898 anti-Fatty Acid Synthase antibody WB image

Western blot: 30 µg of HeLa and 293T cell lysates stained with ARG55898 anti-Fatty Acid Synthase antibody at 1:1000 dilution.



ARG55898 anti-Fatty Acid Synthase antibody ICC/IF image

Immunofluorescence: HeLa cells fixed with 4% Paraformaldehyde and stained with ARG55898 anti-Fatty Acid Synthase antibody at 1:400 dilution.

ARG55898 anti-Fatty Acid Synthase antibody IP image

Immunoprecipitation: CHO-K1 cell lysates were immunoprecipitated and stained with ARG55898 anti-Fatty Acid Synthase antibody.

