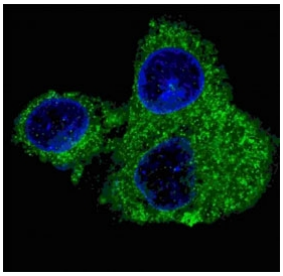
Fatty Acid Synthase Antibody [clone 497CT15.2.5] (F40374)

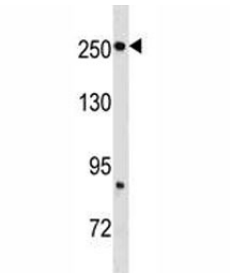
Catalog No.	Formulation	Size
F40374-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40374-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	497CT15.2.5
Purity	Purified
UniProt	P49327
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:200 Western blot: 1:100
Limitations	This Fatty Acid Synthase antibody is available for research use only.



Fluorescent confocal image of HepG2 cells stained with Fatty Acid Synthase antibody. Alexa Fluor 488 secondary was used (green). FASN immunosignal localizes to the cytoplasm.



Fatty Acid Synthase antibody western blot analysis in mouse brain tissue lysate. Predicted molecular weight ~ 270 kDa.

Description

Fatty acid synthase 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.

Application Notes

Titration of the Fatty Acid Synthase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 942-973 from human FASN was used as the immunogen for this Fatty Acid Synthase antibody.

Storage

Aliquot the Fatty Acid Synthase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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