

FASN Antibody (F50414)

Catalog No.	Formulation	Size
F50414-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50414-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

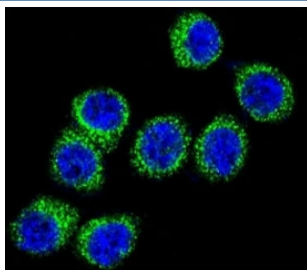
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P49327
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:200 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This FASN antibody is available for research use only.



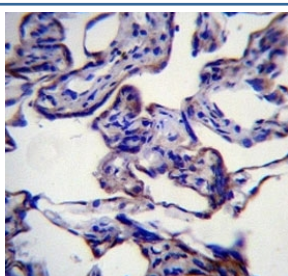
Western blot analysis of FASN antibody in Ramos lysate. Predicted molecular weight ~ 270 kDa.



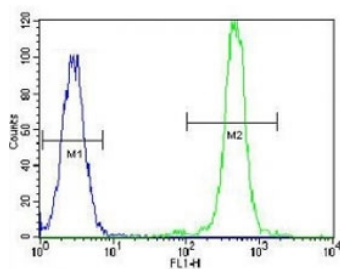
Western blot analysis of FASN antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the FASN gene (2).



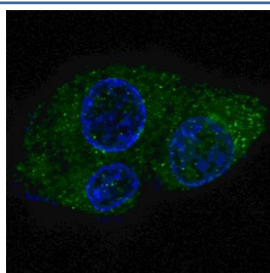
Confocal immunofluorescent analysis of FASN antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



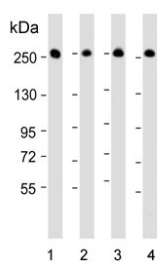
FASN antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue.



FASN antibody flow cytometric analysis of HeLa cells (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Confocal immunofluorescent analysis of FASN antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Western blot analysis of human 1) A549, 2) HeLa, 3) HepG2 and 4) SH-SY5Y cell lysate with FASN antibody. Predicted molecular weight ~ 270 kDa.

Description

FASN (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 FASN antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

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

Storage

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