

For Research Use Only

FASN Monoclonal antibody

Catalog Number: 66591-1-Ig

Featured Product

17 Publications



Basic Information

Catalog Number:

66591-1-Ig

Size:

150ul, Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0975

GenBank Accession Number:

BC007909

GeneID (NCBI):

2194

UNIPROT ID:

P49327

Full Name:

fatty acid synthase

Calculated MW:

272 kDa

Observed MW:

272 kDa

Purification Method:

Protein G purification

CloneNo.:

1B6E4

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human, mouse, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, HEK-293 cells, HeLa cells, Jurkat cells

IHC : human breast cancer tissue,

IF/ICC : HeLa cells,

Background Information

FASN gene codes for an enzyme essential for de novo fatty acid synthesis and cellular substrate energy metabolism. Active FASN is a homodimer in which each peptide subunit has a molecular weight of 260 kDa. FASN is overexpressed in various types of cancer including glioblastomas and is a potential therapeutic target. Recently FASN has been reported to contribute to the neurogenesis since FASN mutation caused intellectual disability in mice.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanan Zhao	34842334	Environ Toxicol	WB
Xiao-Yi Lu	33177714	Nature	WB
Jarunya Ngamkham	36439442	Front Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

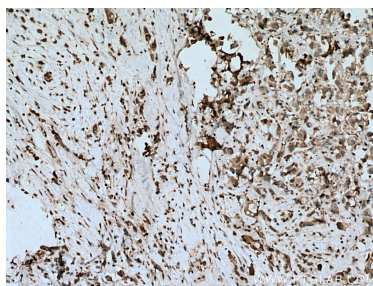
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

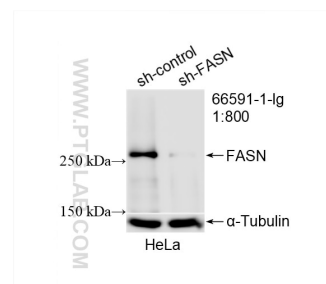
Selected Validation Data



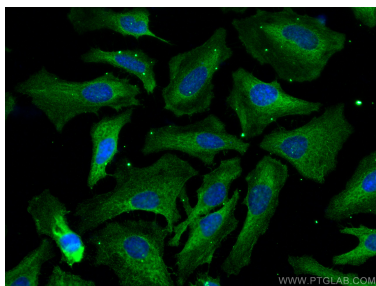
HepG2 cells were subjected to SDS PAGE followed by western blot with 66591-1-Ig (FASN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66591-1-Ig (FASN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of FASN antibody (66591-1-Ig; 1:800; incubated at room temperature for 1.5 hours) with sh-Control and sh-FASN transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FASN antibody (66591-1-Ig, Clone: 1B6E4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).