

For Research Use Only

FASN Monoclonal antibody

Catalog Number: 66591-1-Ig **10 Publications**



Basic Information

Catalog Number: 66591-1-Ig	GenBank Accession Number: BC007909	Purification Method: Protein G purification
Size: 1900 µg/ml	GeneID (NCBI): 2194	CloneNo.: 1B6E4
Source: Mouse	UNIPROT ID: P49327	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:50-1:500 IF 1:400-1:1600
Isotype: IgG1	Full Name: fatty acid synthase	
Immunogen Catalog Number: AG0975	Calculated MW: 272 kDa	
	Observed MW: 272 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, HEK-293 cells, Jurkat cells
Cited Applications: WB, IP, IF, IHC	IHC : human breast cancer tissue,
Species Specificity: Human	IF : HeLa cells,
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

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

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

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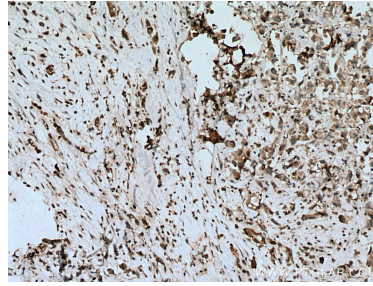
W: ptgcn.com

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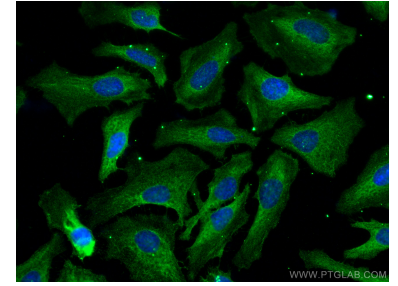
Selected Validation Data



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).



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).