

For Research Use Only

FASN Polyclonal antibody

Catalog Number: 10624-2-AP

Featured Product

179 Publications



Basic Information

Catalog Number: 10624-2-AP	GenBank Accession Number: BC007909	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 2194	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: fatty acid synthase	IHC 1:500-1:2000
Isotype: IgG	Calculated MW: 272 kDa	IF 1:200-1:800
Immunogen Catalog Number: AG0975	Observed MW: 250-272 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, IHC, IP, WB	WB : HEK-293 cells, HeLa cells, HepG2 cells, SH-SY5Y cells, mouse liver tissue, rat liver tissue
Species Specificity: human, mouse, rat	IP : mouse liver tissue,
Cited Species: human, goat, chicken, rat, sheep, mouse, zebrafish, pig, duck, bovine	IHC : human breast cancer tissue, mouse brown adipose tissue, rat brown adipose tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF : 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
Wei Xu	32935679	Food Funct	WB
Zhao Yang	36120828	J Biochem Mol Toxicol	WB
Haibo Cao	36114560	Cell Biosci	WB

Storage

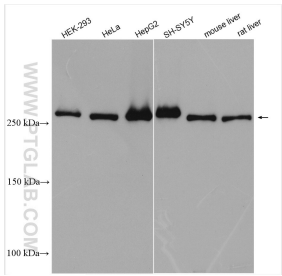
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

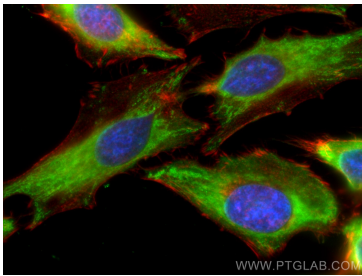
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

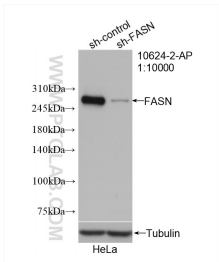
Selected Validation Data



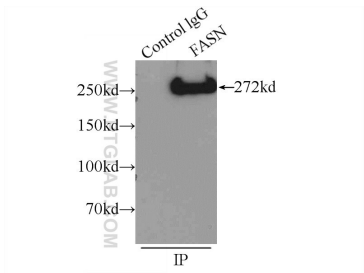
Various lysates were subjected to SDS PAGE followed by western blot with 10624-2-AP (FASN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



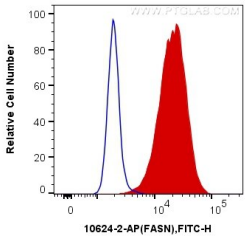
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FASN antibody (10624-2-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



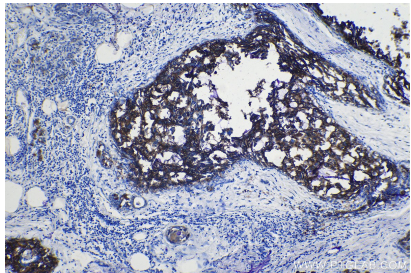
WB result of FASN antibody (10624-2-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FASN transfected HeLa cells.



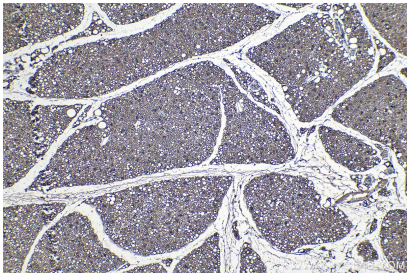
IP Result of anti-FASN (IP:10624-2-AP, 4ug; Detection:10624-2-AP 1:500) with mouse liver tissue lysate 4000ug.



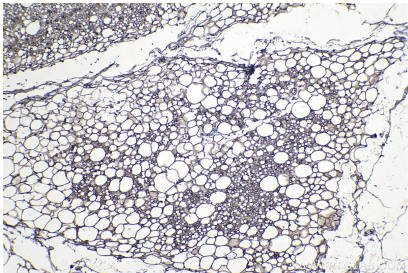
1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human FASN (10624-2-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).