

For Research Use Only

# FASN Polyclonal antibody

Catalog Number: 10624-2-AP

Featured Product

243 Publications



## Basic Information

### Catalog Number:

10624-2-AP

### Concentration:

650 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### 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:

250-272 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, chicken, zebrafish, bovine, goat, sheep, duck

**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** : HEK-293 cells, HeLa cells, HepG2 cells, SH-SY5Y cells, mouse liver tissue, rat liver tissue

**IP** : mouse liver tissue,

**IHC** : human breast cancer tissue, mouse brain tissue, mouse brown adipose tissue, rat brown adipose 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
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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

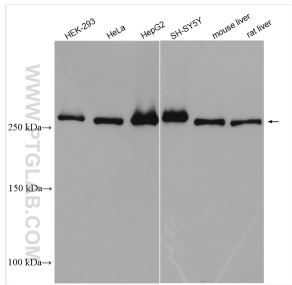
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

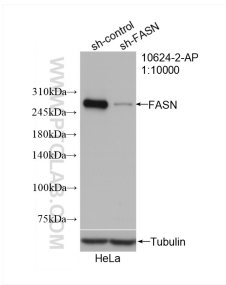
W: [ptgcn.com](http://ptgcn.com)

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

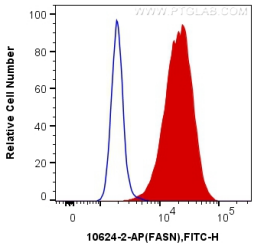
Selected Validation Data



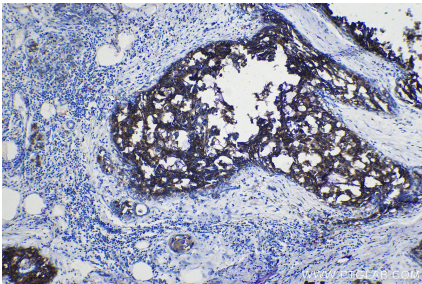
Various lysates were subjected to SDS PAGE followed by western blot with 10624-2-AP (FASN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



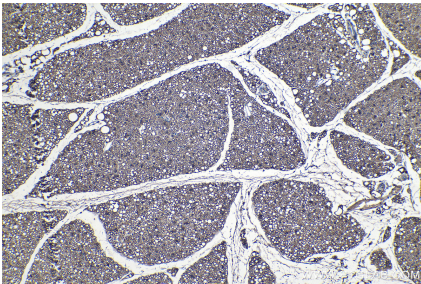
WB result of FASN antibody (10624-2-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FASN transfected HeLa cells.



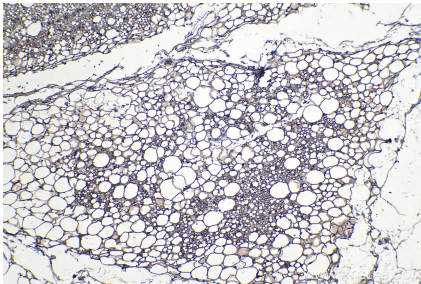
1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human FASN (10624-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



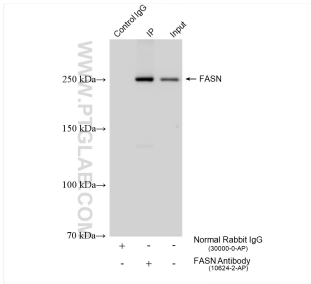
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



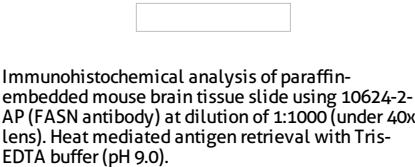
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



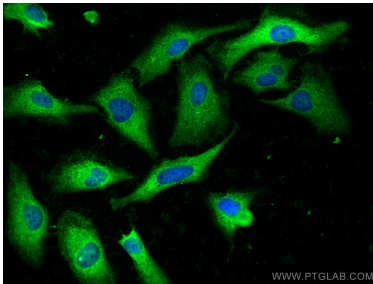
Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-FASN (IP:10624-2-AP, 4ug; Detection:10624-2-AP 1:10000) with mouse liver tissue lysate 2400 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FASN antibody (10624-2-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).