

For Research Use Only

FASN Polyclonal antibody, PBS Only

Catalog Number: 10624-2-PBS

Featured Product



Basic Information

Catalog Number:

10624-2-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

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

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

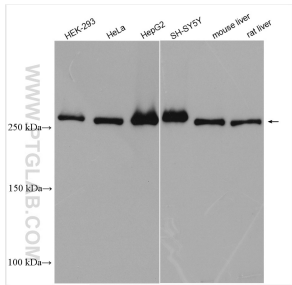
For technical support and original validation data for this product please contact:

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

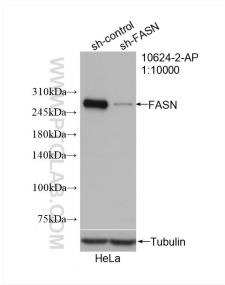
E: proteintech@ptglab.com
W: ptglab.com

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

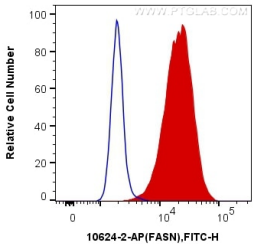
Selected Validation Data



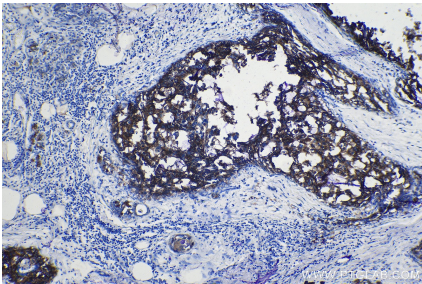
Various lysates were subjected to SDS PAGE followed by western blot with 10624-2-AP (FASN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



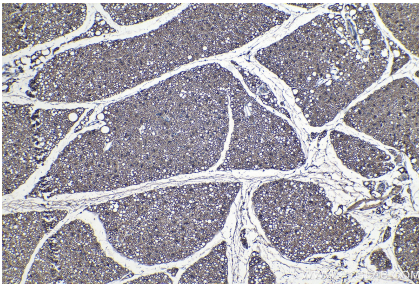
WB result of FASN antibody (10624-2-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FASN transfected HeLa cells. This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



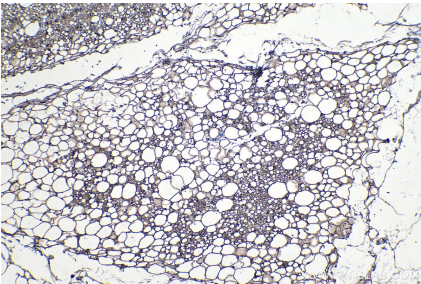
1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human FASN (10624-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



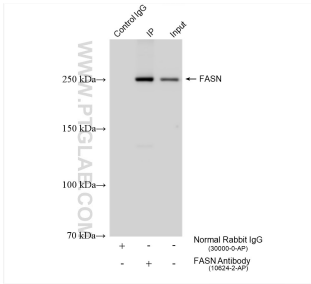
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



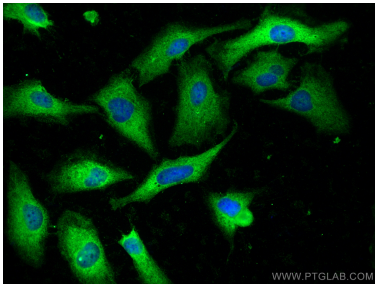
Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 10624-2-AP (FASN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



IP result of anti-FASN (IP:10624-2-AP, 4ug; Detection:10624-2-AP 1:10000) with mouse liver tissue lysate 2400 ug. This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 10624-2-PBS in a different storage buffer formulation.