

For Research Use Only

FASN Recombinant antibody

Catalog Number: 81079-1-RR



Basic Information

Catalog Number:

81079-1-RR

Size:

100ul , Concentration: 1000 µg/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:

250-270 kDa

Purification Method:

Protein A purification

CloneNo.:

1L9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, HeLa cells, MCF-7 cells, U-251 cells, Neuro-2a cells, HSC-T6 cells, mouse liver tissue, rat liver 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.

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

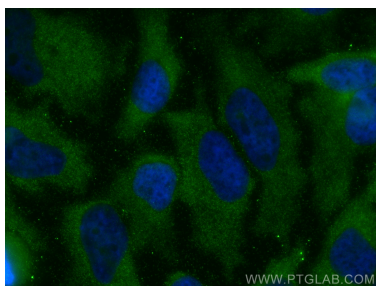
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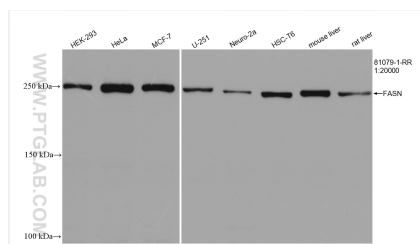
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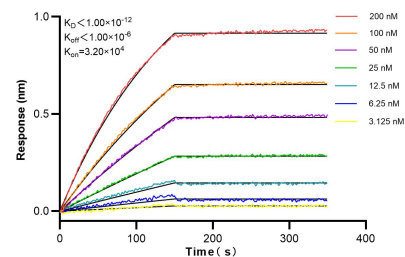
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FASN antibody (81079-1-RR, Clone: 1L9) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 81079-1-RR (FASN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 81079-1-RR against Human FASN were performed. The affinity constant is below 1 pM.