

# FASN Recombinant antibody

Catalog Number: 81079-1-RR

## Basic Information

**Catalog Number:**

81079-1-RR

**Size:**

1000 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:**

250-270 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:**

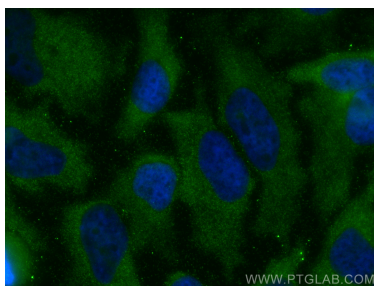
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

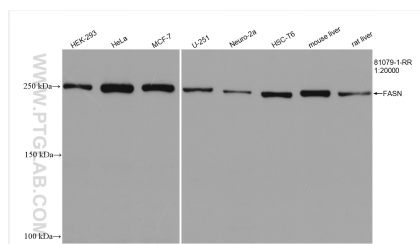
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

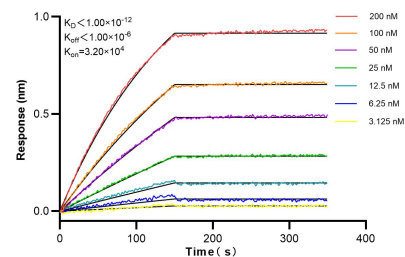
## Selected Validation Data



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.