

A0461

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# Fatty Acid Synthase (FASN) Rabbit pAb

Catalog No.: A0461 **25 Publications**

## Basic Information

### Observed MW

### Calculated MW

273kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## Background

The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

2194

### Swiss Prot

P49327

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2221-2511 of human Fatty Acid Synthase (FASN) (NP\_004095.4).

### Synonyms

FAS; OA-519; SDR27X1; Fatty Acid Synthase (FASN)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

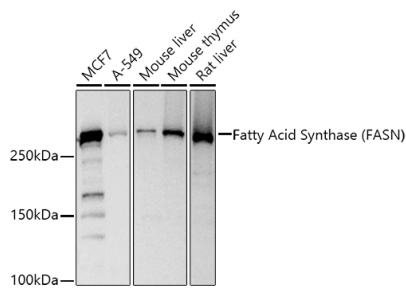
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Western blot analysis of various lysates using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:1000 dilution.

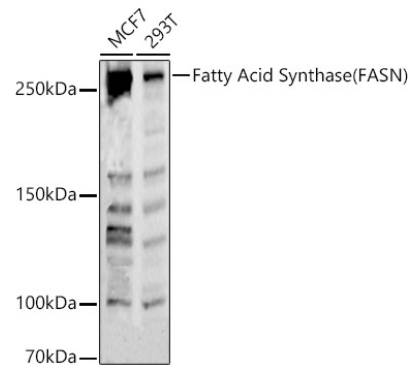
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates, using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:1000 dilution.

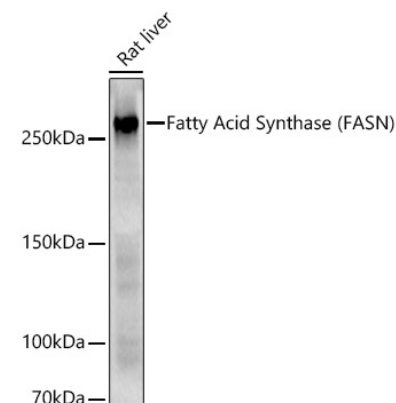
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.



Western blot analysis of lysates from Rat liver, using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:1000 dilution.

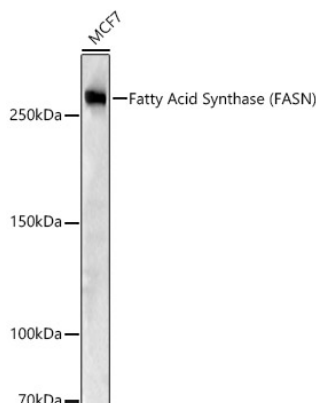
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.



Western blot analysis of lysates from MCF7 cells, using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:900 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

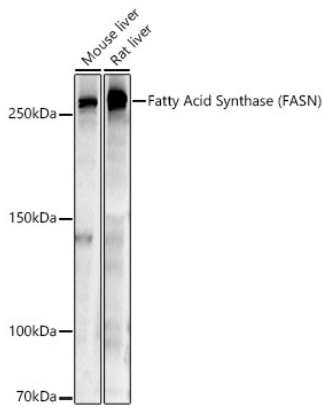
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.

## Validation Data



Western blot analysis of various lysates, using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:900 dilution.

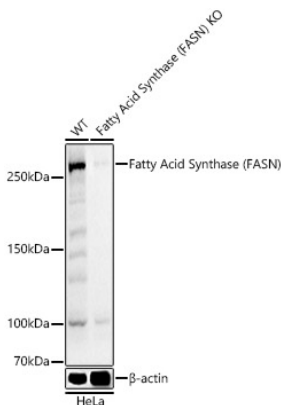
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.



Western blot analysis of lysates from wild type(WT) and Fatty Acid Synthase (FASN) Rabbit pAb knockout (KO) HeLa cells, using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at 1:1000 dilution.

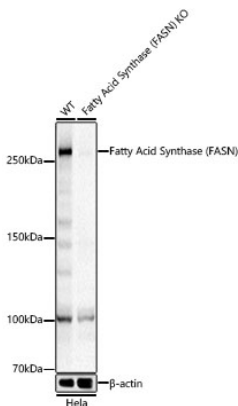
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.



Western blot analysis of lysates from wild type (WT) and Fatty Acid Synthase (FASN) knockout (KO) HeLa(KO) cells, using Fatty Acid Synthase (FASN) (A0461) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

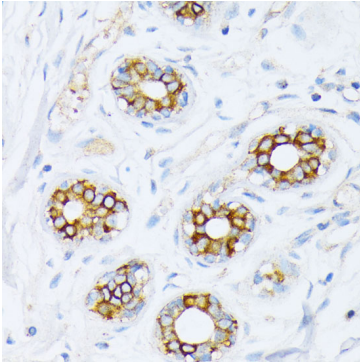
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

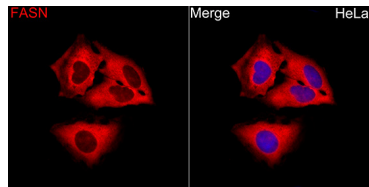
Exposure time: 0.5s.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Fatty Acid Synthase (FASN) Rabbit pAb (A0461) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using Fatty Acid Synthase (FASN) Rabbit pAb(A0461) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.