

# [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb®

Catalog No.: A22462 **KO** Validated

## Basic Information

### Observed MW

273kDa

### Calculated MW

273kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC53122\_ARC53125

## 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** 1:2000 - 1:10000

**IF/ICC** 1:100 - 1:500

## Immunogen Information

### Gene ID

2194

### Swiss Prot

P49327

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2212-2511 of human Fatty Acid Synthase (FASN) Rabbit PolymAb® (NP\_004095.4).

### Synonyms

FAS; OA-519; SDR27X1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

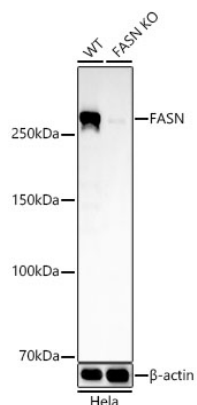
Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



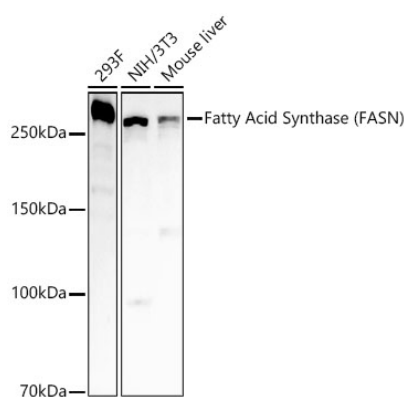
Western blot analysis of extracts from wild type (WT) and Fatty Acid Synthase (FASN) knockout (KO) HeLa cells, using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (A22462) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of various lysates, using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (FASN) antibody (A22462) at 1:10000 dilution.

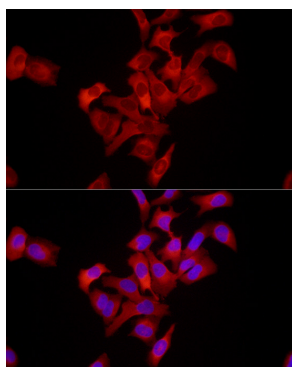
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

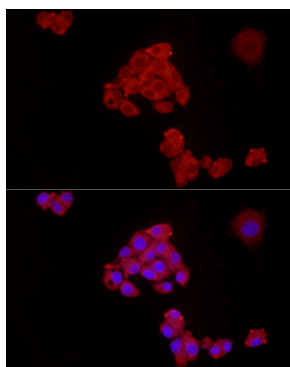
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

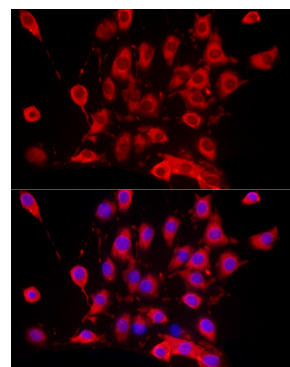
Exposure time: 30s.



Immunofluorescence analysis of HeLa using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (A22462) at dilution of 1:500 (40x lens). Blue: DAPI for nuclear staining.



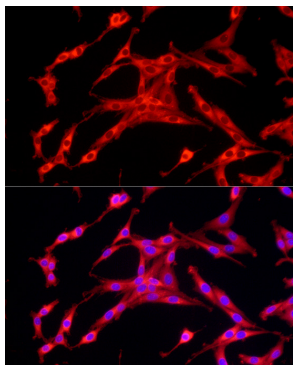
Immunofluorescence analysis of HepG2 using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (A22462) at dilution of 1:500 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (A22462) at dilution of 1:500 (40x lens). Blue: DAPI for nuclear staining.

## Validation Data

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Immunofluorescence analysis of PC-12 using [KO Validated] Fatty Acid Synthase (FASN) Rabbit PolymAb® (A22462) at dilution of 1:500 (40x lens). Blue: DAPI for nuclear staining.