

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

Catalog No.: A21398 **KO** Validated

## Basic Information

### Observed MW

273kDa

### Calculated MW

273kDa

### Category

Primary antibody

### Applications

ELISA, WB

### 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

## 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; N)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

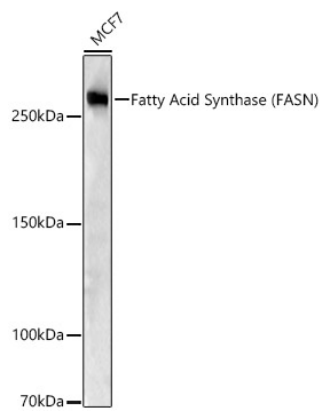
Affinity purification

### Storage

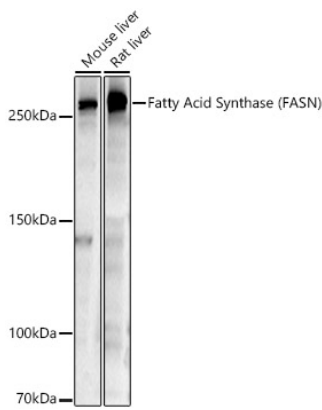
Store at -20°C. Avoid freeze / thaw cycles.

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

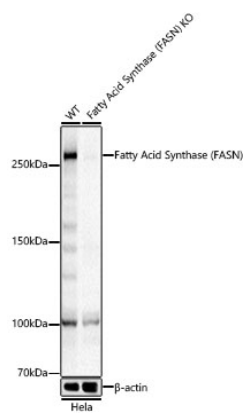
# Validation Data



Western blot analysis of lysates from MCF7, using Fatty Acid Synthase (FASN) Rabbit pAb (A21398) at 1:900 dilution.  
Secondary antibody: HRP 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.



Western blot analysis of various lysates, using Fatty Acid Synthase (FASN) Rabbit pAb (A21398) at 1:900 dilution.  
Secondary antibody: HRP 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.



Western blot analysis of lysates from wild type (WT) and Fatty Acid Synthase (FASN) knockout (KO) HeLa(KO) cells, using Fatty Acid Synthase (FASN) (A21398) at 1:1000 dilution.  
Secondary antibody: HRP 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.