

A0462

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# Fatty Acid Synthase (FASN) Rabbit pAb

Catalog No.: A0462

2 Publications

## Basic Information

### Observed MW

275kDa

### Calculated MW

273kDa

### Category

Polyclonal Antibody

### Applications

WB, IHC-P, IP, ELISA

### Cross-Reactivity

Human

## 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 - 1:2000

IHC-P 1:50 - 1:100

IP 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## 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) (NP\_004095.4).

### Synonyms

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

## Contact



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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

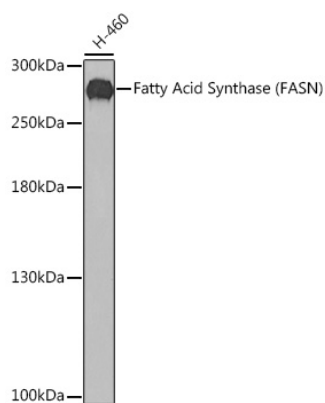
Affinity purification

### Storage

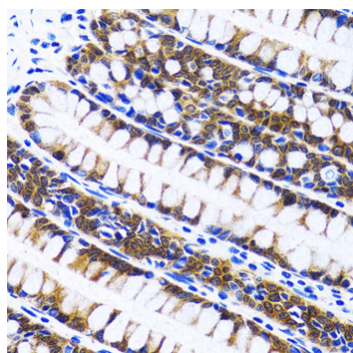
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

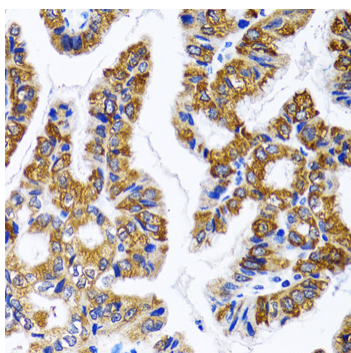
## Validation Data



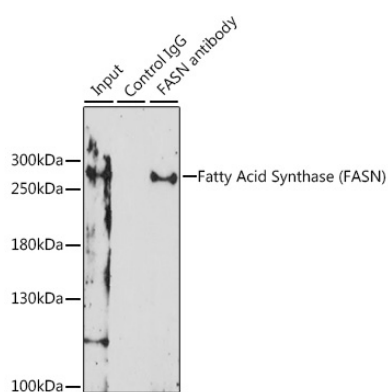
Western blot analysis of lysates from H460 cells, using Fatty Acid Synthase (FASN) Rabbit pAb (A0462) at 1:200 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunohistochemistry analysis of Fatty Acid Synthase (FASN) in paraffin-embedded human colon using Fatty Acid Synthase (FASN) Rabbit pAb (A0462) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Fatty Acid Synthase (FASN) in paraffin-embedded human gastric cancer using Fatty Acid Synthase (FASN) Rabbit pAb (A0462) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunoprecipitation analysis of 200 µg extracts of H460 cells, using 3 µg Fatty Acid Synthase (FASN) antibody (A0462). Western blot was performed from the immunoprecipitate using Fatty Acid Synthase (FASN) antibody (A0462) at a dilution of 1:1000.