

## (KO Validated) Fatty Acid Synthase Polyclonal Antibody

Catalog No. E-AB-63251

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant fusion protein of human Fatty Acid Synthase (NP_004095.4).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

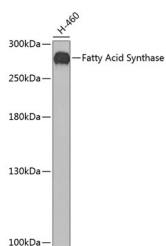
### Applications Recommended Dilution

**WB 1:500-1:2000 IHC**

**1:50-1:100 IF**

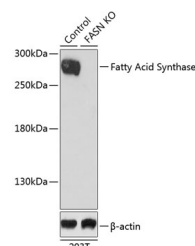
**1:50-1:200**

### Data

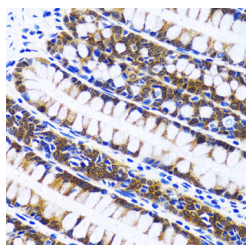


Western blot analysis of extracts of H460 cells using Fatty Acid Synthase Polyclonal Antibody at dilution of 1:200.

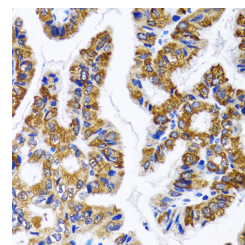
**Observed Mw:275kDa**  
**Calculated Mw:273kDa**



Western blot analysis of extracts from normal (control) and Fatty Acid Synthase knockout (KO) 293T cells using Fatty Acid Synthase Polyclonal Antibody at dilution of 1:1000.

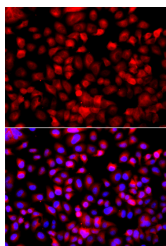


Immunohistochemistry of paraffin-embedded Human colon using Fatty Acid Synthase Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using Fatty Acid Synthase Polyclonal Antibody at dilution of 1:100 (40x lens).

### For Research Use Only



Immunofluorescence analysis of A549 cells using  
Fatty Acid Synthase Polyclonal Antibody

## Preparation & Storage

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

## 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.