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# Fatty Acid Synthase (FASN) Rabbit PolymAb®

Catalog No.: A22463PM

### **Basic Information**

#### **Observed MW**

273kDa

#### **Calculated MW**

273kDa

#### Category

Primary antibody

#### **Applications**

WB,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** 1:2000 - 1:6000

**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 protein (or fragment). This information is considered to be commercially sensitive.

### **Synonyms**

FAS; OA-519; SDR27X1

## **Contact**

2		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	T	www.abclonal.com.cn

### **Product Information**

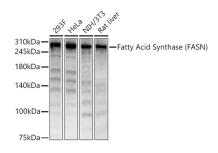
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Western blot analysis of various lysates, using Fatty Acid Synthase (FASN) Rabbit PolymAb® (FASN) antibody (A22463PM) at 1:5000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit  $lgG\ (H+L)\ (AS014)$  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.