SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FASN antibody

Catalog Number: SL1498R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FASN
Immunogen:	KLH conjugated synthetic peptide derived from mouse FASN: 651-750/2511
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	272kDa
Subcellular Location:	cytoplasmic
Background:	FASN (Fatty Acid Synthase) is a central enzyme in de novo lipogenesis. FAS is a target for SREBP and is upregulated by LXR activation; it is also one of the accepted markers for insulin resistance, SREBP and LXR activation. **Function:** Fatty acid synthetase catalyzes the formation of long-chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein. **Subunit:** Homodimer which is arranged in a head to tail fashion. **Subcellular Location:** Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. **Tissue Specificity:** Ubiquitous. Prominent expression in brain, lung, and liver. **Similarity:** Contains 1 acyl carrier domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 2194 Human **Entrez Gene:** 14104 Mouse **Entrez Gene:** 50671 Rat **Entrez Gene:** 281152 Cow Omim: 600212 Human **SwissProt:** P12276 Chicken **SwissProt:** Q71SP7 Cow **SwissProt:** P49327 Human **SwissProt:** P19096 Mouse **SwissProt:** P12785 Rat **Unigene:** 8951 Chicken **Unigene:** 30099 Cow **Unigene:** 83190 Human **Unigene:** 236443 Mouse **Unigene:** 9486 Rat Synthesis and Degradation（Synthesis and Degradation） Fatty acid synthase is a newTumourMaker,High expression often indicates poor prognosis of Tumour.

[VALIDATION IMAGES]

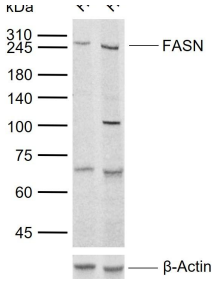


Figure 1. Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Primary: Anti-FASN (SL1498R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 272 kDa Observed band size: 250 kDa

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