

Datasheet for ABIN687382

anti-Fatty Acid Synthase antibody (AA 651-750)



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Overview

Quantity:	100 µL
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	AA 651-750
Reactivity:	Human, Mouse, Rat, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse FASN
Isotype:	IgG
Cross-Reactivity:	Goat, Human, Mouse, Rat
Predicted Reactivity:	Sheep
Purification:	Purified by Protein A.

Target Details

Target:	Fatty Acid Synthase (FASN)
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Target Details

Alternative Name:	FASN/Fatty Acid Synthase (FASN Products)
Background:	Synonyms: FAS, A630082H08Rik, Fatty acid synthase, Fasn Background: 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.
Gene ID:	14104
UniProt:	P19096
Pathways:	AMPK Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Yu, Zhao, Lai, Chu, Hao, Feng, Zhang, Liu, Cheng, Li, Shen, Min: "LncRNA as ceRNAs may be involved in lactation process." in: **Oncotarget**, Vol. 8, Issue 58, pp. 98014-98028, (2017) ([PubMed](#)).

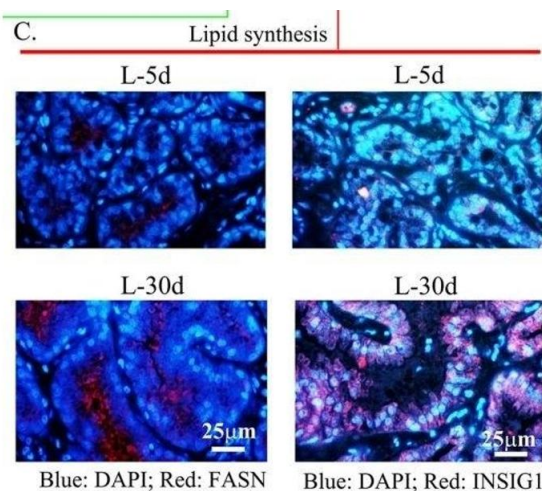
Li, Ye, Wang, Li, Qiang, Yu, Tang, Liu: "Effect of Octreotide on Hepatic Steatosis in Diet-Induced Obesity in Rats." in: **PLoS ONE**, Vol. 11, Issue 3, pp. e0152085, (2016) ([PubMed](#)).

He, Guo, Qian, Zhang, Ren, Liu: "Synergistic hepatotoxicity by cadmium and chlorpyrifos: disordered hepatic lipid homeostasis." in: **Molecular medicine reports**, Vol. 12, Issue 1, pp. 303-8, (2015) ([PubMed](#)).

Chen, Luo, Ma, Wang, Cao, Xu, Zhu, Sun, Li, Yao, Kang, Gou: "MiR130b-Regulation of PPAR γ Coactivator- 1 α Suppresses Fat Metabolism in Goat Mammary Epithelial Cells." in: **PLoS ONE**, Vol. 10, Issue 11, pp. e0142809, (2015) ([PubMed](#)).

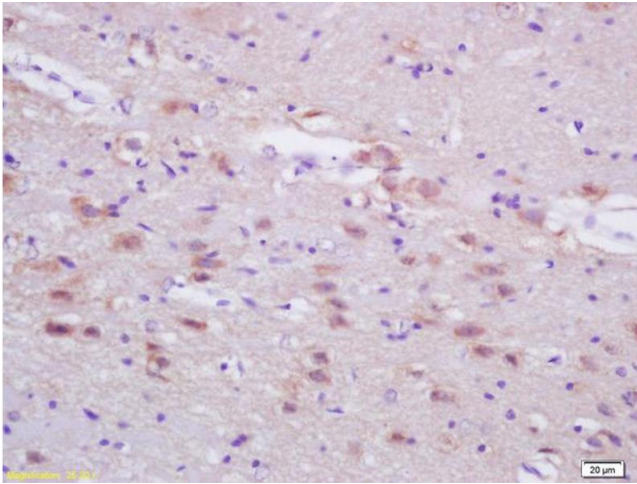
Zhu, Luo, Wang, Yu, Wang, Shi, Sun, Lin, Li: "Inhibition of FASN reduces the synthesis of medium-chain fatty acids in goat mammary gland." in: **Animal : an international journal of animal bioscience**, Vol. 8, Issue 9, pp. 1469-78, (2014) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (A) Network of ceRNAs (lncRNA-mRNA) and miRNAs. (B) The protein level of COL4A5 in mammary gland by IHC analysis. (C) The protein levels of FASN and INSIG1 in mammary gland by IHC analysis. - figure provided by CiteAb. Source: PMID29228670



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Anti-ASN/Fatty Acid Synthase 1 Polyclonal Antibody, Unconjugated (ABIN687382) at 1:200, followed by conjugation to the secondary antibody and DAB staining