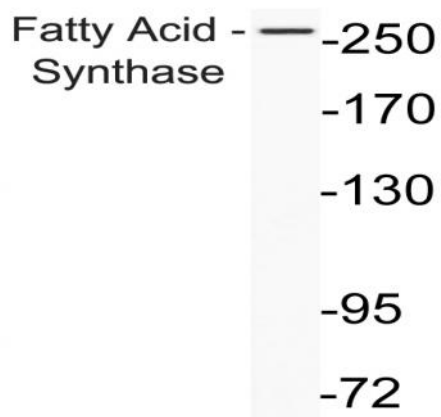


Fatty Acid Synthase Polyclonal Antibody

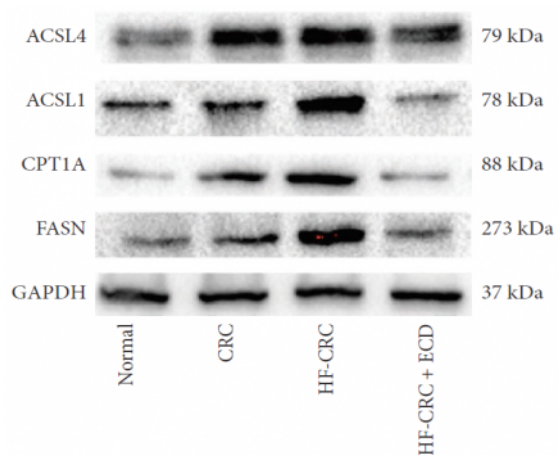
Catalog No :	YT1683
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	Fatty Acid Synthase
Fields :	>>Fatty acid biosynthesis;>>Metabolic pathways;>>Fatty acid metabolism;>>AMPK signaling pathway;>>Insulin signaling pathway;>>Alcoholic liver disease
Gene Name :	FASN
Protein Name :	Fatty acid synthase
Human Gene Id :	2194
Human Swiss Prot No :	P49327
Mouse Swiss Prot No :	P19096
Immunogen :	The antiserum was produced against synthesized peptide derived from human Fatty Acid Synthase. AA range:1478-1527
Specificity :	Fatty Acid Synthase Polyclonal Antibody detects endogenous levels of Fatty Acid Synthase protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC: 100-300.WB 1:500 - 1:2000. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Observed Band :	<u>273kD</u>
Cell Pathway :	<u>Fatty acid biosynthesis;Insulin_Receptor;</u>
Background :	<u>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. [provided by RefSeq, Jul 2008],</u>
Function :	<u>catalytic activity:(3R)-3-hydroxyacyl-[acyl-carrier-protein] + NADP(+) = 3-oxoacyl-[acyl-carrier-protein] + NADPH.,catalytic activity:(3R)-3-hydroxypalmitoyl-[acyl-carrier-protein] = hexadec-2-enoyl-[acyl-carrier-protein] + H(2)O.,catalytic activity:Acetyl-CoA + [acyl-carrier-protein] = CoA + acetyl-[acyl-carrier-protein].,catalytic activity:Acetyl-CoA + n malonyl-CoA + 2n NADPH = a long-chain fatty acid + (n+1) CoA + n CO(2) + 2n NADP(+).,catalytic activity:Acyl-[acyl-carrier-protein] + malonyl-[acyl-carrier-protein] = 3-oxoacyl-[acyl-carrier-protein] + CO(2) + [acyl-carrier-protein].,catalytic activity:Acyl-[acyl-carrier-protein] + NADP(+) = trans-2,3-dehydroacyl-[acyl-carrier-protein] + NADPH.,catalytic activity:Malonyl-CoA + [acyl-carrier-protein] = CoA + malonyl-[acyl-carrier-protein].,catalytic activity:Oleoyle-[acyl-carrier-protein] + H(2)O = [acyl-carrier-protein] + oleate.,functi</u>
Subcellular Location :	<u>Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.</u>
Expression :	<u>Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.</u>
Tag :	<u>orthogonal,hot</u>
Sort :	<u>5966</u>
No4 :	<u>1</u>
Host :	<u>Rabbit</u>
Modifications :	<u>Unmodified</u>

Products Images



Western blot analysis of lysate from A549 cells., using Fatty Acid Synthase antibody



Regulation of Fatty Acid Metabolism and Inhibition of Colorectal Cancer Progression by Erchen Decoction Evidence-based Complementary and Alternative Medicine Linghong Liao WB Mouse colorectal tissue