Datasheet for ABIN363338

anti-Fatty Acid Synthase antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mL
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Chicken, Monkey, Pig, Plant
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	An internal synthetic peptide, conjugated to KLH, made near the N-terminus of the mouse FAS protein sequence.
Specificity:	Reacts with FAS protein from human, pig, rat, mouse, primate, chicken and plants
Purification:	Antiserum

Target Details

Target:	Fatty Acid Synthase (FASN)
Alternative Name:	Fatty Acid Synthase (FAS) (FASN Products)
Background:	FAS (Fatty Acid Synthase) is a central enzyme in de novo lipogenesis (triglyceride production).It is a target for SREBP and is upregulated by LXR activation.Fatty liver is often the result of FAS activation.It is also one of the accepted markers for insulin resistance and SREBP , LXR

Target Details

	activation.
Pathways:	AMPK Signaling

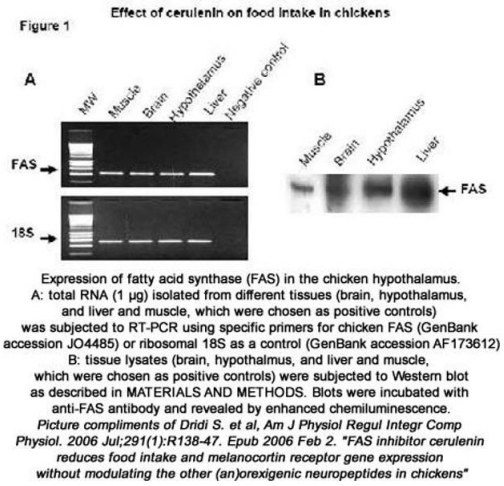
Application Details

Application Notes:	Working dilution: Optimal dilution should be determined by the end user. The following are guidelines only: ICC/IF (1:2000) IHC(1:500) IP(1:100) WB(1:1000)
Restrictions:	For Research Use only

Handling

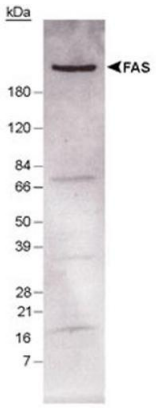
Format:	Liquid
Buffer:	, Sodium azide 0.05 %
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C/-80 °C
Storage Comment:	Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Images



Expression of fatty acid synthase (FAS) in the chicken hypothalamus. A: total RNA (1 µg) isolated from different tissues (brain, hypothalamus, and liver and muscle, which were chosen as positive controls) was subjected to RT-PCR using specific primers for chicken FAS (GenBank accession JO4485) or ribosomal 18S as a control (GenBank accession AF173612) B: tissue lysates (brain, hypothalmus, and liver and muscle, which were chosen as positive controls) were subjected to Western blot as described in MATERIALS AND METHODS. Blots were incubated with anti-FAS antibody and revealed by enhanced chemiluminescence. *Picture compliments of Dridi S. et al, Am J Physiol Regul Integr Comp Physiol. 2006 Jul;291(1):R138-47. Epub 2006 Feb 2. "FAS inhibitor cerulenin reduces food intake and melanocortin receptor gene expression without modulating the other (an)orexigenic neuropeptides in chickens"*

Image 1.



Western blot analysis of Fatty Acid Synthase,
using pab50029
Samples: 50 µg of total mouse liver lysate

Image 2.