Datasheet for ABIN652469

anti-FAS antibody (AA 185-211)

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Overview

Quantity:	400 µL
Target:	FAS
Binding Specificity:	AA 185-211
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This FAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-211 amino acids from the Central region of human FAS.
Clone:	RB21902
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FAS
Alternative Name:	FAS (FAS Products)
Background:	FAS is a member of the TNF-receptor superfamily. This receptor contains a death domain. It

Target Details

	has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells.
Molecular Weight:	37732
Gene ID:	355
NCBI Accession:	NP_000034, NP_690610, NP_690611
UniProt:	P25445
Pathways:	p53 Signaling, Apoptosis, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

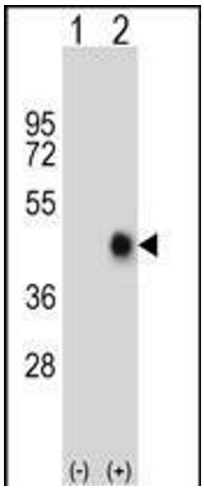
Publications

Product cited in:

Kamikubo, Kai, Tsuji-Naito, Akagawa: "β-Caryophyllene attenuates palmitate-induced lipid accumulation through AMPK signaling by activating CB2 receptor in human HepG2 hepatocytes." in: **Molecular nutrition & food research**, Vol. 60, Issue 10, pp. 2228-2242, (2017) (PubMed).

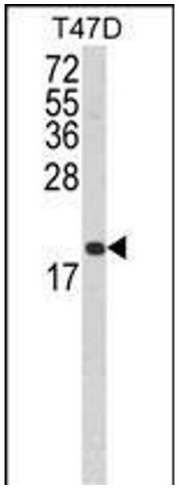
Fan, Yu, Chen, Chen, Chung, Cheng: "The decreased expression of peroxisome proliferator-activated receptors delta (PPARdelta) is reversed by digoxin in the heart of diabetic rats." in: **Hormone and metabolic research = Hormon- und Stoffwechselforschung = Hormones et métabolisme**, Vol. 42, Issue 9, pp. 637-42, (2010) (PubMed).

Images



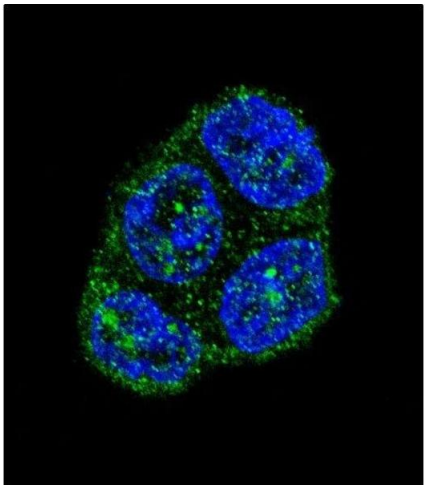
Western Blotting

Image 1. Western blot analysis of FAS (arrow) using rabbit polyclonal FAS Antibody (Center) (ABIN652469 and ABIN2842320). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FAS gene.



Western Blotting

Image 2. Western blot analysis of FAS Antibody (Center) (ABIN652469 and ABIN2842320) in T47D cell line lysates (35 µg/lane).FAS (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of FAS Antibody (Center) (ABIN652469 and ABIN2842320) with T47D cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).