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Datasheet for ABIN3020739

anti-FAS antibody (AA 150-250)

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Overview

Quantity:	100 µL
Target:	FAS
Binding Specificity:	AA 150-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human Fas (NP_000034.1).
Sequence:	EHGIIKECTL TSNTKCKEEG SRSNLGWLCL LLLPIPLIVW VKRKEVQKTC RKHRKENQGS HESPTLNPET VAINLSDVDL SKYITTIAGV MTL SQVKG FV R
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FAS
Alternative Name:	FAS (FAS Products)
Background:	<p>The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It 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. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.</p> <p>ALPS1A,APO-1,APT1,CD95,FAS1,FASTM,TNFRSF6,FAS,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Death Receptor Signaling Pathway,Immunology & Inflammation,CD markers,Cytokines,TNF,Cell Intrinsic Innate Immunity Signaling Pathway,Neuroscience,Neurodegenerative Diseases,FAS</p>
Molecular Weight:	9 kDa/11 kDa/14 kDa/16 kDa/24 kDa/35 kDa/37 kDa
Gene ID:	355
UniProt:	P25445
Pathways:	p53 Signaling , Apoptosis , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

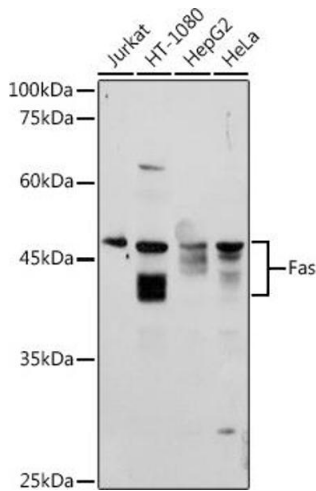
Publications

Product cited in: Wang, Yan, Xiao, Zhou, Liu, Zeng, Liu, Li, Yuan, Wu, Yi, Razack, Wen: "Anti-obesity effect of a traditional Chinese dietary habit-blending lard with vegetable oil while cooking." in: **Scientific reports**, Vol. 7, Issue 1, pp. 14689, (2017) ([PubMed](#)).

Chen, Gu, Jiang, Zhang: "Nuclear translocation of nuclear factor kappa B is regulated by G protein signaling pathway in arsenite-induced apoptosis in HBE cell line." in: **Environmental toxicology**, (2015) ([PubMed](#)).

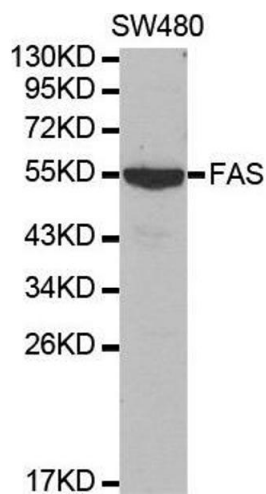
Gu, Chen, Jiang, Zhang: "Resveratrol Synergistically Triggers Apoptotic Cell Death with Arsenic Trioxide via Oxidative Stress in Human Lung Adenocarcinoma A549 Cells." in: **Biological trace element research**, Vol. 163, Issue 1-2, pp. 112-23, (2015) ([PubMed](#)).

Chen, Jiang, Lai, Liu, Zhang: "Resveratrol protects against arsenic trioxide-induced oxidative damage through maintenance of glutathione homeostasis and inhibition of apoptotic progression." in: **Environmental and molecular mutagenesis**, (2014) ([PubMed](#)).



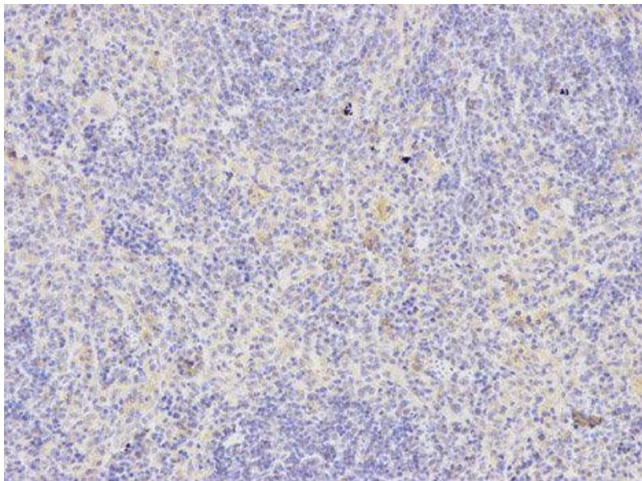
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Fas antibody (ABIN3020738, ABIN3020739, ABIN3020740, ABIN1512896 and ABIN6213700) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western Blotting

Image 2. Western blot analysis of extracts of SW480 cell lines, using FAS antibody.



Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3020739.