Datasheet for ABIN6140432

anti-FADD antibody (AA 1-208)

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Overview

Quantity:	100 µL
Target:	FADD
Binding Specificity:	AA 1-208
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADD antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-208 of human FADD (NP_003815.1).
Sequence:	MDPFLVLLHS VSSSLSSSEL TELKFLCLGR VGKRKLERVQ SGLDLFSMLL EQNDLEPGHT ELLRELLASL RRHDLLRRVD DFEAGAAAGA APGEEDLCAA FNVICDNVGK DWRRLARQLK VSDTKIDSIE DRYPRNLTER VRESLRIWKN TEKENATVAH LVGALRSCQM NLVADLVQEV QQARDLQNRS GAMSPMSWNS DASTSEAS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FADD
Alternative Name:	FADD (FADD Products)
Background:	The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development.,GIG3,MORT1,FADD,FADD,Cancer,Invasion and Metastasis,Cell Biology & Developmental Biology,Apoptosis,Death receptors & ligands,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Death Receptor Signaling Pathway,Immunology & Inflammation,Toll-like Receptor Signaling Pathway,Neuroscience,Neurodegenerative Diseases,FADD
Molecular Weight:	23 kDa
Gene ID:	8772
UniProt:	Q13158
Pathways:	Apoptosis, TLR Signaling, Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

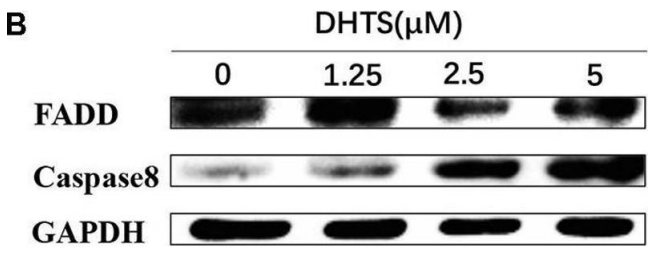
Product cited in:

Zhao, Tao, Qi, Xu, Yin, Peng: "Protective effect of dioscin against doxorubicin-induced cardiotoxicity via adjusting microRNA-140-5p-mediated myocardial oxidative stress." in: **Redox biology**, Vol. 16, pp. 189-198, (2018) (PubMed).

Chen, Jiang, Li, Bai, Zhao, Zhang, Zhang: "Hydrogen protects against liver injury during CO2 pneumoperitoneum in rats." in: **Oncotarget**, Vol. 9, Issue 2, pp. 2631-2645, (2018) (PubMed).

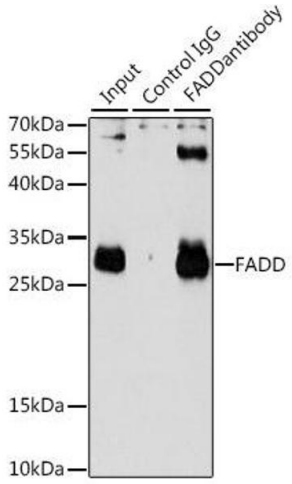
Khaliq, Jing, Ke, Ke-Li, Peng-Peng, Cui, Wei-Wei, Zhixin, Hua-Zhen, Hui, Ju-Ming, Ke-Mei: "Boron Affects the Development of the Kidney Through Modulation of Apoptosis, Antioxidant Capacity, and Nrf2 Pathway in the African Ostrich Chicks." in: **Biological trace element research**, Vol. 186 , Issue 1, pp. 226-237, (2018) (PubMed).

Images



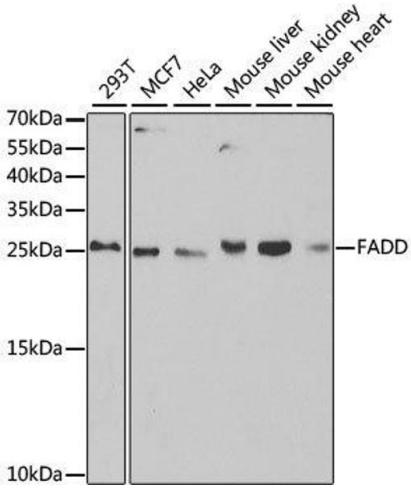
Western Blotting

Image 1. Apoptosis related proteins were detected in EOMA cells after treated with DHTS and propranolol. (A,B) DHTS induced PARP, Aif, Caspase9, Caspase3, Bax and Cyts3 in low concentration more than in high concentration, while induced FADD and Caspase 8 more in relatively high concentration. (C,D) Propranolol induced PARP, Aif, Caspase9, Caspase3, Bax and Cyts3 in high concentration more than in low concentration, while induced FADD and Caspase 8 more in relatively low concentration. - figure provided by CiteAb. Source: PMID29441017



Immunoprecipitation

Image 2. Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug FADD antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using FADD antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6140432.