Datasheet for ABIN3044338

anti-FAS antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	FAS
Binding Specificity:	AA 87-109, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 6(FAS) detection. Tested with WB, IHC-P, IHC-F in Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of rat Fas(87-109aa, YTDRKHYSDKCRRCAFCDEGHGL).
Sequence:	YTDRKHYSDK CRRCAFCDEG HGL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 6(FAS) detection. Tested with WB, IHC-P, IHC-F in Mouse,Rat. Gene Name: Fas(TNF receptor superfamily, member 6)

Product Details

	Protein Name: Tumor necrosis factor receptor superfamily member 6
Purification:	Immunogen affinity purified.

Target Details

Target:	FAS
Alternative Name:	FAS (FAS Products)
Background:	FAS(also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors, can induce apoptosis or, conversely, can deliver growth stimulatory signals. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury in vivo. Fas antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. The FAS antigen shows structural homology with a number of cell surface receptors, including tumor necrosis factor(TNF) receptors and the low-affinity nerve growth factor receptor(NGFR) and is mapped to 10q24.1. And the FAS and FASL system plays a key role in regulating apoptotic cell death and corruption of this signalling pathway has been shown to participate in immune escape and tumorigenesis. Synonyms: ALPS 1A antibody|ALPS1A antibody|APO 1 antibody|Apo 1 antigen antibody|APO 1 cell surface antigen antibody|Apo-1 antigen antibody|APO1 antibody|Apo1 antigen antibody|APO1 cell surface antigen antibody|Apoptosis antigen 1 antibody|Apoptosis mediating surface antigen FAS antibody|Apoptosis-mediating surface antigen FAS antibody|APT 1 antibody|APT1 antibody|CD 95 antibody|CD 95 antigen antibody|CD95 antibody|CD95 antigen antibody|Delta Fas antibody|Delta Fas/APO 1/CD95 antibody|Delta Fas/APO1/CD95 antibody|Fas(TNF receptor superfamily, member 6) antibody|FAS 1 antibody|FAS 827dupA antibody|Fas AMA antibody|FAS antibody|FAS Antigen antibody|Fas cell surface death receptor antibody|FAS1 antibody|FASLG receptor antibody|FASTM antibody|sFAS antibody|Surface antigen APO1 antibody|TNF receptor superfamily, member 6 antibody|TNFRSF 6 antibody|TNFRSF6 antibody|TNR6_HUMAN antibody|Tumor necrosis factor receptor superfamily member 6 antibody
UniProt:	Q63199
Pathways:	p53 Signaling, Apoptosis, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat , Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Yeung, Wang, Yao, Liang, Tenny Chung, Chuai, Lee, Yang: "BRE modulates granulosa cell death to affect ovarian follicle development and atresia in the mouse." in: **Cell death & disease**, Vol. 8, Issue 3, pp. e2697, (2017) (PubMed).

Publications

Gao, Liu, Huang, Zhang, Mei, Wang, Gong, Zhao, Xie, Ma, Qian: "HSP70 inhibits stress-induced cardiomyocyte apoptosis by competitively binding to FAF1." in: **Cell stress & chaperones**, Vol. 20, Issue 4, pp. 653-61, (2016) (PubMed).

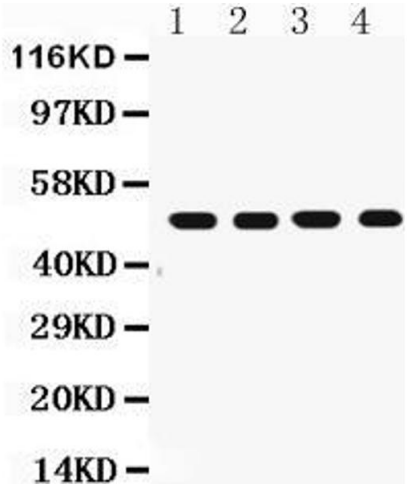
Liu, Xu, Zhao, Xia, Song, Gu, Liu, Bian, Yuan, Liu: "Osteoprotegerin Induces Apoptosis of Osteoclasts and Osteoclast Precursor Cells via the Fas/Fas Ligand Pathway." in: **PLoS ONE**, Vol. 10, Issue 11, pp. e0142519, (2016) (PubMed).

Li, Xu, Jiang, Zhao, Ge, Zheng: "Significance of Fas and FasL protein expression in cardiac carcinoma and local lymph node tissues." in: **International journal of clinical and experimental pathology**, Vol. 8, Issue 9, pp. 11915-20, (2016) (PubMed).

Li, Wu, Sun, Zhao, Liu, Zhang: "Croton Tiglium Extract Induces Apoptosis via Bax/Bcl-2 Pathways in Human Lung Cancer A549 Cells" in: **Asian Pacific journal of cancer prevention : APJCP**, Vol. 17, Issue 11, pp. 4893-4898, (2016) (PubMed).

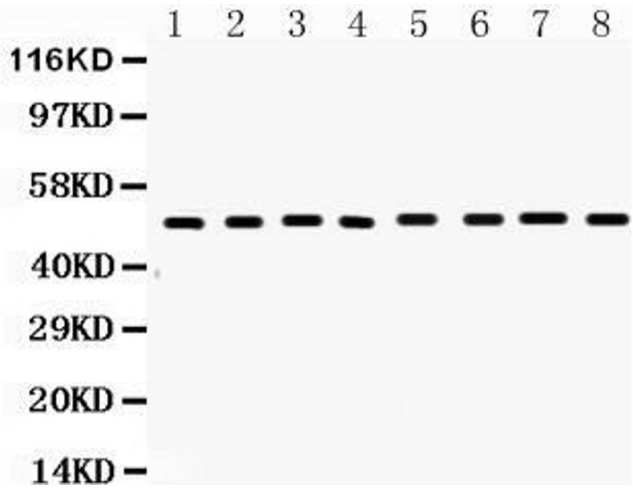
There are more publications referencing this product on: Product page

Images



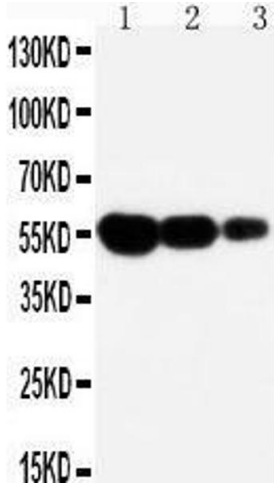
Western Blotting

Image 1. Western blot analysis of FAS expression in rat liver extract (Lane 1), rat spleen extract (Lane 2), rat brain extract (Lane 3) and rat cardiac muscle extract (Lane 4). FAS at 50KD was detected using rabbit anti- FAS Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Western Blotting

Image 2. Western blot analysis of FAS expression in mouse liver extract (Lane 1), mouse spleen extract (Lane 2), mouse brain extract (Lane 3) mouse kidney extract (Lane 4), mouse thymus extract (Lane 5), mouse lung extract (Lane 6), HEPA1-6 whole cell lysates (Lane 7) and NIH3T3 whole cell lysates (Lane 8). FAS at 50KD was detected using rabbit anti- FAS Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Western Blotting

Image 3. Anti-CD95 antibody, Western blotting Lane 1: Recombinant Mouse FAS Protein 10ng Lane 2: Recombinant Mouse FAS Protein 5ng Lane 3: Recombinant Mouse FAS Protein 2.5ng

Please check the product details page for more images. Overall 4 images are available for ABIN3044338.