

Datasheet for ABIN725375

anti-BAX antibody (AA 84-175)**2** Images**6** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	BAX
Binding Specificity:	AA 84-175
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Bax
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	BAX
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Target Details

Alternative Name:	Bax (BAX Products)
Background:	Synonyms: BCL2L4, Apoptosis regulator BAX, Bcl-2-like protein 4, Bcl2-L-4, BAX Background: Accelerates programmed cell death by binding to, and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby apoptosis.
Gene ID:	581
UniProt:	Q07812
Pathways:	p53 Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

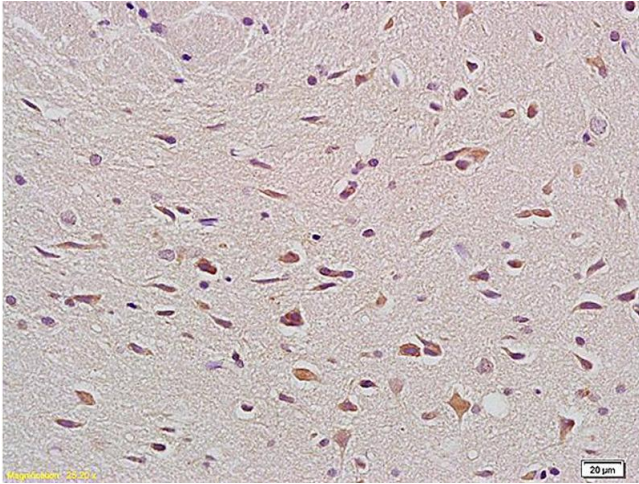
Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

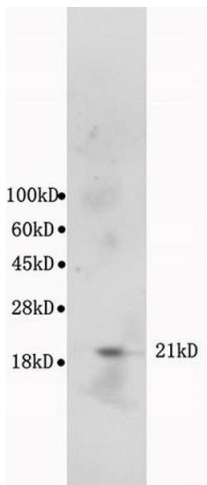
Publications

- Product cited in:
- Ma, Huang, Meng, Li, Zhang, Ji, Li, Ye, Liang: "A potential adjuvant chemotherapeutics, 18β-glycyrrhetic acid, inhibits renal tubular epithelial cells apoptosis via enhancing BMP-7 epigenetically through targeting HDAC2." in: **Scientific reports**, Vol. 6, pp. 25396, (2018) ([PubMed](#)).
- Li, Jiang, Tian, Li, Chen, Li, Li, Yang: "A plasma mir-125a-5p as a novel biomarker for Kawasaki disease and induces apoptosis in HUVECs." in: **PLoS ONE**, Vol. 12, Issue 5, pp. e0175407, (2017) ([PubMed](#)).
- Kouam, Yuan, Njayou, He, Tsayem, Oladejo, Song, Moundipa, Gao: "Induction of Mkp-1 and Nuclear Translocation of Nrf2 by Limonoids from Khaya grandifoliola C.DC Protect L-02 Hepatocytes against Acetaminophen-Induced Hepatotoxicity." in: **Frontiers in pharmacology**, Vol. 8, pp. 653, (2017) ([PubMed](#)).
- Qiao, Chen, Dong, Ma, Zhao, Tang, Li: "Polydatin Attenuates H2O2-Induced Oxidative Stress via PKC Pathway." in: **Oxidative medicine and cellular longevity**, Vol. 2016, pp. 5139458, (2016) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti- Bax Polyclonal Antibody, Unconjugated (ABIN725375) at 1:200, followed by conjugation to the secondary antibody and DAB staining.



SDS-PAGE

Image 2. L1 mouse cerebrum lysates, probed: Anti-Bax (ABIN725375) at 1:300 in 4 °C. Followed by conjugation to secondary antibody at 1:2000 90min in 37 °C. Predicted and observed band size: 21kD