

Datasheet for ABIN7295000
anti-BAX antibody (Center)



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3 Images 1 Publication

Overview

Quantity:	100 µL
Target:	BAX
Binding Specificity:	Center
Reactivity:	Human, Rat, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BAX.
Specificity:	Recognizes endogenous levels of BAX protein.
Characteristics:	Rabbit polyclonal antibody to BAX
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	BAX
Alternative Name:	BAX (BAX Products)

Target Details

Background:	BCL2L4, Apoptosis regulator BAX, Bcl-2-like protein 4, Bcl2-L-4
Gene ID:	581
UniProt:	Q07812 , Q63690
Pathways:	p53 Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

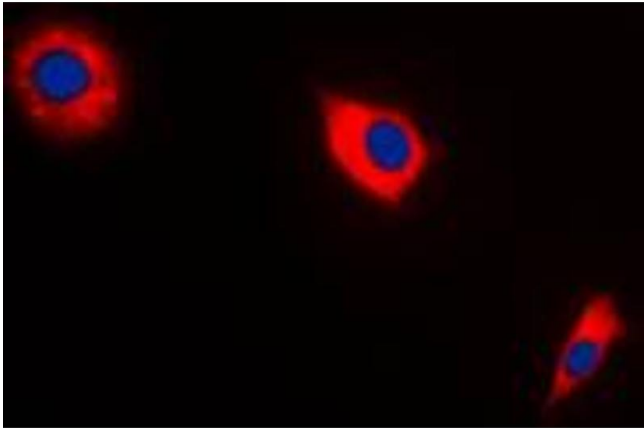
Application Notes:	E (1:5000 - 1:10000), WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

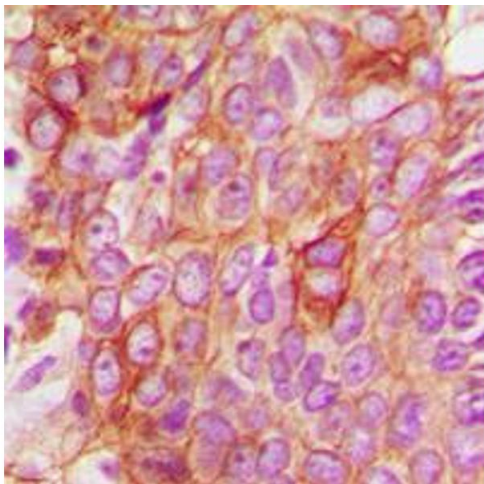
Publications

Product cited in:	Xu, Wang, Banan, Chirumbole, Garcia-Aroz, Balakrishnan, Nayak, Zhang, Jia, Upadhya, Gaut, Hiebsch, Manning, Wu, Lin, Chapman: "Anti-CD47 monoclonal antibody therapy reduces ischemia-reperfusion injury of renal allografts in a porcine model of donation after cardiac death." in: American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons , Vol. 18, Issue 4, pp. 855-867, (2018) (PubMed).
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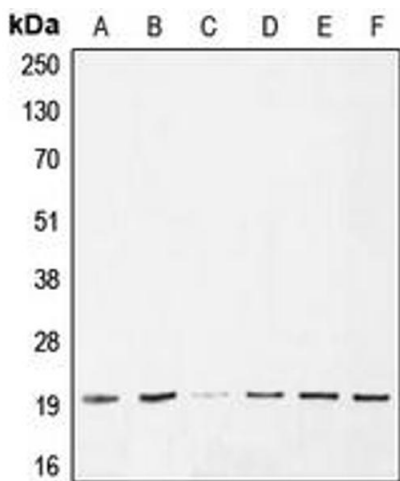
Immunofluorescence

Image 1. Immunofluorescent analysis of BAX staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry

Image 2. Immunohistochemical analysis of BAX staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 3. Western blot analysis of BAX expression in HeLa (A), A549 (B), A375 (C), Jurkat (D), HepG2 (E), PC12 (F) whole cell lysates.