

Datasheet for ABIN682843

anti-BAX antibody (pSer184)**2** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	BAX
Binding Specificity:	pSer184
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Bax around the phosphorylation site of Ser184
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	BAX
---------	-----

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
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.
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: Park, Park, Kim, Kim, Yoon, Hur: "Berberine induces mitochondrial apoptosis of EBV-transformed B cells through p53-mediated regulation of XAF1 and GADD45a." in: **International journal of oncology**, Vol. 49, Issue 1, pp. 411-21, (2016) ([PubMed](#)).

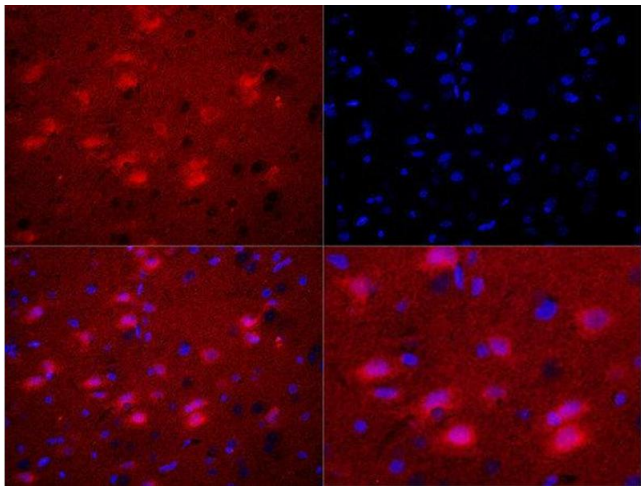
Daverey, Agrawal: "Curcumin alleviates oxidative stress and mitochondrial dysfunction in astrocytes." in: **Neuroscience**, Vol. 333, pp. 92-103, (2016) ([PubMed](#)).

Gao, Zhou, Wang, Lew, Richards, Wang: "Urocortin-2 suppression of p38-MAPK signaling as an additional mechanism for ischemic cardioprotection." in: **Molecular and cellular biochemistry**, (2014) ([PubMed](#)).

Park, Kim, Kim, Kim, Lee, Cho, Lee, Hur: "Melphalan-induced apoptosis of EBV-transformed B cells through upregulation of TAp73 and XAF1 and nuclear import of XPA." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 191, Issue 12, pp. 6281-91, (2013) ([PubMed](#)).

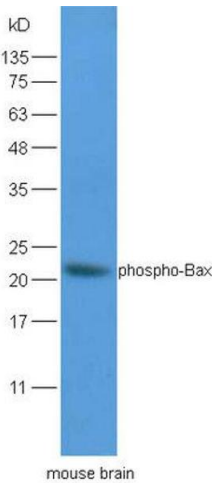
Pereda: "[Histochemical study of the distribution of sialomucins in the oviducts and jelly coat of the oocytes of Rana pipiens. Behavior of the different layers of the coat in water]." in: **Journal of embryology and experimental morphology**, Vol. 24, Issue 1, pp. 1-12, (1971) ([PubMed](#)).

Images



Immunofluorescence (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-Bax (Ser184) Polyclonal Antibody, Unconjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI was used to stain the cell nuclei



Western Blotting

Image 2. Lane 1:mouse brain lysates probed with Rabbit Anti-Bax (Ser184) Polyclonal Antibody, Unconjugated (ABIN682843) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C.