

Datasheet for ABIN2792125  
**anti-BAX antibody (N-Term)**



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## Overview

Quantity:	100 µL
Target:	BAX
Binding Specificity:	N-Term
Reactivity:	Human, Pig, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human BAX
Sequence:	MDGSGEQPRG GGPTSSEQIM KTGALLLQGF IQDRAGRMGG EAPELALDPV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Pig: 100%
Characteristics:	This is a rabbit polyclonal antibody against BAX. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	BAX
Alternative Name:	BAX ( <a href="#">BAX Products</a> )

## Target Details

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**Background:** BAX encodes a protein that belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. BAX expression is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis.

Alias Symbols: BCL2L4

Protein Interaction Partner: CYCS, ZBTB24, UBC, CASP9, CASP8, CASP7, CASP3, BCL2L1, BCL2, CLU, MDM2, MCL1, BAX, BAG3, YWHAB, VCP, CRYAB, CRYAA, BAK1, XIAP, TP53, KCNA3, HSPA4, XRCC6, XRCC5, HDAC6, BAD, PSMC5, PSMC3, PARK7, UHRF2, RNF144B, OYE2, TOMM22, TOMM40, MEPCE, MOAP1, BBC3, PPP

Protein Size: 192

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Molecular Weight: 21 kDa

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Gene ID: 581

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NCBI Accession: [NM\\_138761](#), [NP\\_620116](#)

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UniProt: [Q07812](#)

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Pathways: [p53 Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 192 AA

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

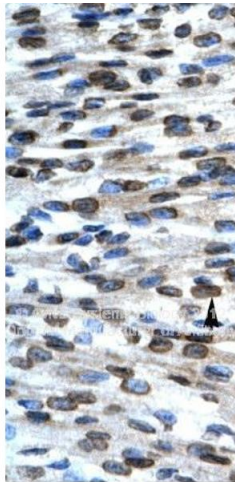
## Publications

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Product cited in:	<p>De Martino, Marfé, Longo, Fiorito, Montagnaro, Iovane, Decaro, Pagnini: "Bid cleavage, cytochrome c release and caspase activation in canine coronavirus-induced apoptosis." in: <b>Veterinary microbiology</b>, Vol. 141, Issue 1-2, pp. 36-45, (2010) (<a href="#">PubMed</a>).</p> <p>Honda, Abe, Hiroki, Honda, Iwanuma, Yanagisawa, Ide: "Activation of caspase 3, 9, 12, and Bax in masseter muscle of mdx mice during necrosis." in: <b>Journal of muscle research and cell motility</b>, Vol. 28, Issue 4-5, pp. 243-7, (2007) (<a href="#">PubMed</a>).</p>
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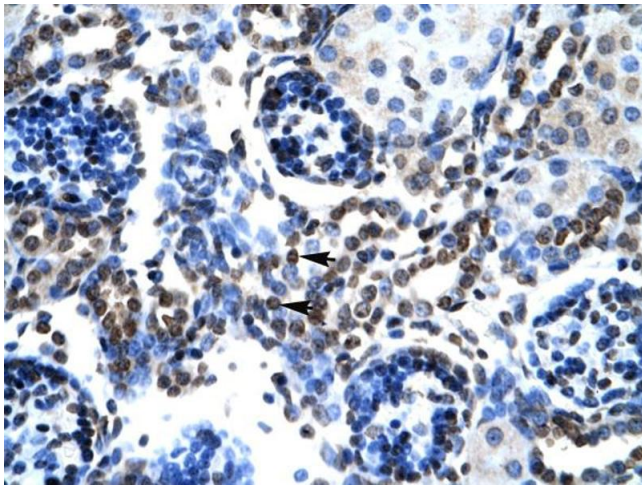
## Images

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### Immunohistochemistry

**Image 1.** Immunohistochemistry with NT2, mouse brain; rat brain. tissue



### Immunohistochemistry

**Image 2.** Human kidney



### Western Blotting

**Image 3.** WB Suggested Anti-BAX Antibody Titration:  
1.25ug/ml Positive Control: HepG2 cell lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2792125.