

Rabbit Bax Polyclonal Antibody | anti-BAX antibody

Bax Antibody (BH3 Domain Specific)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289624	Rabbit	Human (Predicted Reactivity: Bovine)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

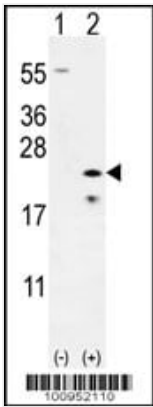
PRODUCT SYNONYMS

Bax; Polyclonal Antibody; Bax Antibody (BH3 Domain Specific); Apoptosis regulator BAX; Bcl-2-like protein 4; Bcl2-L-4; BAX; BCL2L4; anti-BAX antibody

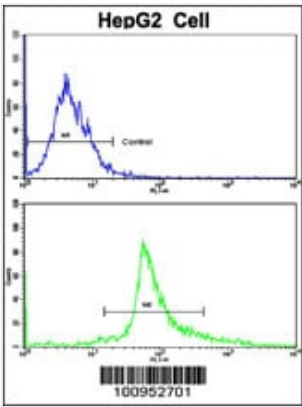
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Bax antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-76 amino acids from human Bax.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.6 (varies by lot)
Sequence Positions	41-76
Sequence Length	179
Applicable Applications for anti-BAX antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

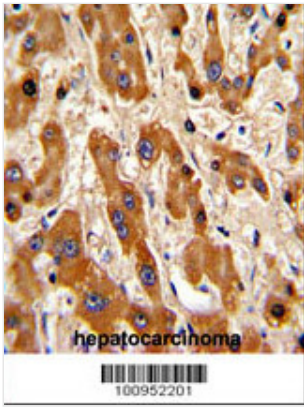
IMAGES



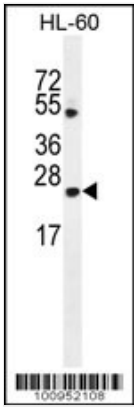
WB (Western Blot)
Western blot analysis of Bax (arrow) using rabbit polyclonal Bax Antibody (BH3). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Bax gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using Bax Antibody (BH3 Domain Specific)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with Bax Antibody (BH3 Domain Specific), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Bax Antibody(BH3) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the Bax antibody detected the Bax protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-BAX antibody	Bax 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. Bax 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. The expression of the Bax gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis.
Product Categories/Family for anti-BAX antibody	Cancer; Cell Biology; Metabolism; Amyotrophic Lateral Sclerosis (ALS)
References	Liu, F.T., et al., Biochem. Biophys. Res. Commun. 310(3):956-962 (2003). Roucou, X., et al., J. Biol. Chem. 278(42):40877-40881 (2003). Cao, X., et al., Blood 102(7):2605-2614 (2003). McJilton, M.A., et al., Oncogene 22(39):7958-7968 (2003). Bidere, N., et al., J. Biol. Chem. 278(33):31401-31411 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757838
NCBI GeneID	581
NCBI Accession #	NP_004315.1; NP_620116.1; NP_620118.1; NP_620119.2

NCBI GenBank Nucleotide #	NM_004324.3
UniProt Accession #	Q07812; P55269; Q07814; Q07815; Q8WZ49; Q9NR76; Q9NYG7; Q9UCZ6; Q9UCZ7; Q9UQD6; A8K4W1
Molecular Weight	21184
NCBI Official Full Name	apoptosis regulator BAX isoform beta
NCBI Official Synonym Full Names	BCL2-associated X protein
NCBI Official Symbol	BAX
NCBI Official Synonym Symbols	BCL2L4
NCBI Protein Information	apoptosis regulator BAX
UniProt Protein Name	Apoptosis regulator BAX
UniProt Gene Name	BAX
UniProt Synonym Gene Names	BCL2L4; Bcl2-L-4
UniProt Entry Name	BAX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/bax-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/289624>