

Rabbit anti-Human Bax Monoclonal Antibody | anti-BAX antibody

[KO Validated] Bax Rabbit mAb

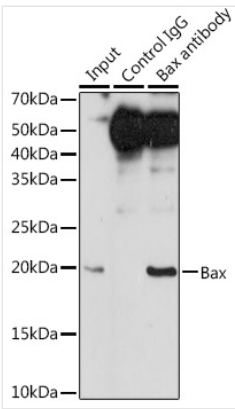
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28539	Rabbit	Human	Western Blot, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

Bax; Monoclonal Antibody; [KO Validated] Bax Rabbit mAb; BCL2L4; ax; anti-BAX antibody

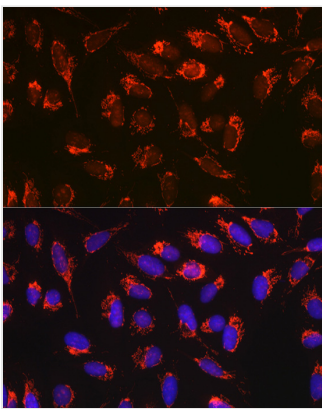
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GGGPTSSEQI MKTGALLLQG FIQDRAGRMG GEAPELALDP VPQDASTKKL SECLKRIGDE L
Applicable Applications for anti-BAX antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA
Application Notes	WB: 1:2000-1:10000 IF/ICC: 1:100-1:2000 IP: 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 10-70 of human Bax (NP_620116.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



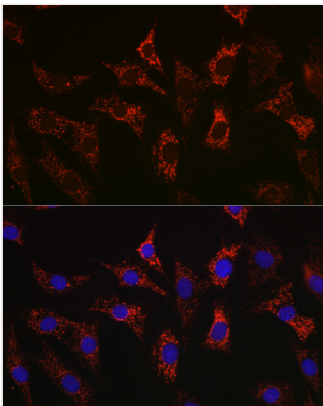
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of 293T cells using 3 ug Bax antibody (AAA28539). Western blot was performed from the immunoprecipitate using Bax antibody (AAA28539) at a dilution of 1:500.



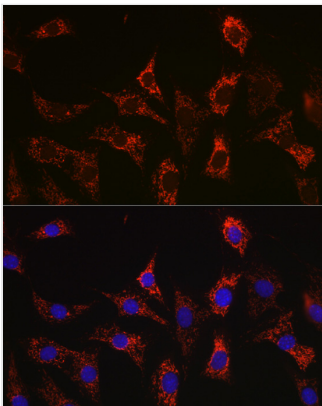
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using Bax Rabbit mAb (AAA28539) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



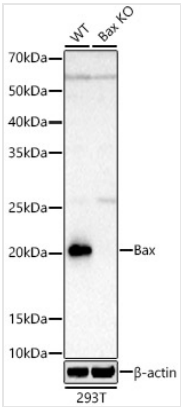
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using Bax Rabbit mAb (AAA28539) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



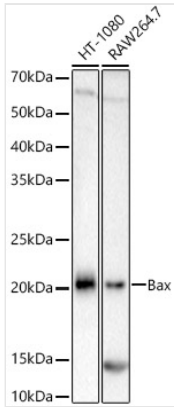
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Bax Rabbit mAb (AAA28539) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from wild type(WT) and Bax knockout (KO) 293T cells, using [KO Validated] Bax Rabbit mAb (AAA28539) at 1:10000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



WB (Western Blot)

Western blot analysis of various lysates, using [KO Validated] Bax Rabbit mAb (AAA28539) at 1:10000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-BAX antibody	The protein encoded by this gene 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. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. 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 this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.
Product Categories/Family for anti-BAX antibody	Cancer; Invasion and Metastasis; Signal Transduction; PI3K-Akt Signaling Pathway; MAPK-JNK Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Mitochondrial Control of Apoptosis; Inhibition of Apoptosis; Endocrine Metabolism; Mitochondrial m

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757838
NCBI GeneID	581
NCBI Accession #	NP_004315.1
NCBI GenBank Nucleotide #	NM_004324.3
UniProt Accession #	Q07812; P55269; Q07814; Q07815; Q8WZ49; Q9NR76; Q9NYG7; Q9UCZ6; Q9UCZ7; Q9UQD6; A8K4W1
Molecular Weight	Calculated MW: 21kDa Observed MW: 21kDa
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.