

**ARG65612**  
anti-Bax antibodyPackage: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Bax
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Bax
Species	Human
Immunogen	Fusion protein of human BAX
Conjugation	Un-conjugated
Alternate Names	Bcl-2-like protein 4; Bcl2-L-4; BCL2L4; Apoptosis regulator BAX

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:3000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

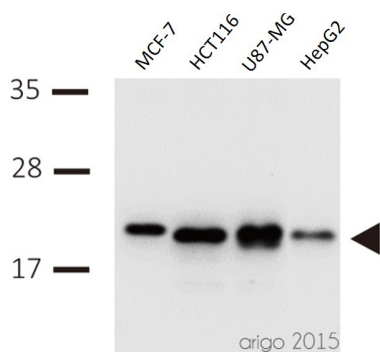
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	1.1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

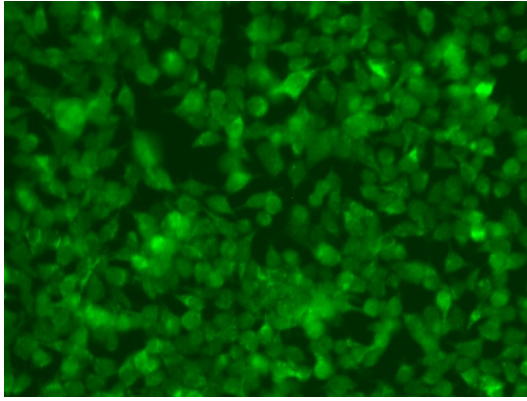
Database links	<a href="#">GeneID: 12028 Mouse</a> <a href="#">GeneID: 581 Human</a> <a href="#">Swiss-port # Q07812 Human</a> <a href="#">Swiss-port # Q07813 Mouse</a>
Gene Symbol	BAX
Gene Full Name	BCL2-associated X protein
Background	Bax belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. 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. [provided by RefSeq, Dec 2019]
Function	Bax plays a role in the mitochondrial apoptotic process. Under normal conditions, BAX is largely cytosolic via constant retrotranslocation from mitochondria to the cytosol mediated by BCL2L1/Bcl-xL, which avoids accumulation of toxic BAX levels at the mitochondrial outer membrane (MOM) (PubMed:21458670). 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. [UniProt]
Highlight	Related Antibody Duos and Panels: <a href="#">ARG30263 Mitochondrial fission Antibody Duo (Drp1, BAX)</a> <a href="#">ARG30268 Apoptosis Marker Antibody Duo (Bcl2, Bax)</a> Related products: <a href="#">Bax antibodies: Bax Duos / Panels: Anti-Rabbit IgG secondary antibodies:</a> Related news: <a href="#">Understanding Your Cells: Choose the right markers</a>
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Mitochondrial fission antibody; Apoptosis Marker antibody; Pro-apoptotic Bcl2 protein antibody
Calculated Mw	21 kDa

## Images



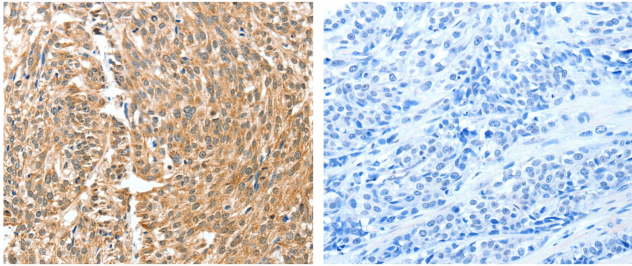
ARG65612 anti-Bax antibody WB image

Western blot: 30 µg of MCF-7, HCT116, U87-MG, and HepG2 cell line lysates stained with ARG65612 anti-Bax antibody at 1:500 dilution.



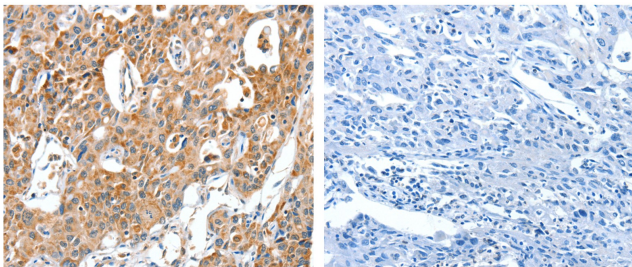
ARG65612 anti-Bax antibody ICC/IF image

Immunocytochemistry: HeLa cells fixed with Methanol / Acetone 1:1 ratio (-20°C for 20 min) and blocked by 3% BSA in PBS (RT for 1 hour). The cells stained with ARG65612 anti-Bax antibody at 1:20 dilution (RT for 1 hour).



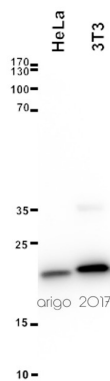
ARG65612 anti-Bax antibody IHC-P image

Immunohistochemistry: paraffin-embedded Human esophagus cancer tissue stained with ARG65612 anti-Bax antibody (left) at 1/30 dilution, or the same antibody preincubated with antigen (right). (Original magnification: X200)



ARG65612 anti-Bax antibody IHC-P image

Immunohistochemistry: paraffin-embedded Human lung cancer tissue stained with ARG65612 anti-Bax antibody (left) at 1/30 dilution, or the same antibody preincubated with antigen (right). (Original magnification: X200)



ARG65612 anti-Bax antibody WB image

Western blot: 20 µg of HeLa and 3T3 cell lysates stained with ARG65612 anti-Bax antibody at 1:3000 dilution.