

## ARG54406 anti-BIM antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes BIM
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes full-length Bim (23kDa) of human, mouse, and rat.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BIM
Species	Human
Immunogen	Peptide corresponding to aa 22-40 of human Bim. The sequence is identical to that of mouse and is different by one amino acid from that of rat.
Conjugation	Un-conjugated
Alternate Names	Bcl2-L-11; BIM; Bcl2-interacting mediator of cell death; Bcl-2-like protein 11; BAM; BOD

### Application Instructions

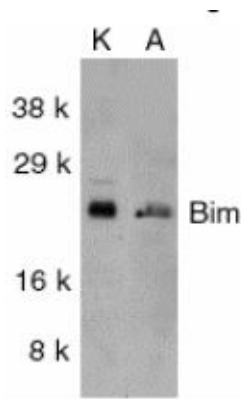
Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562 and A549	

### Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
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 or below. 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.

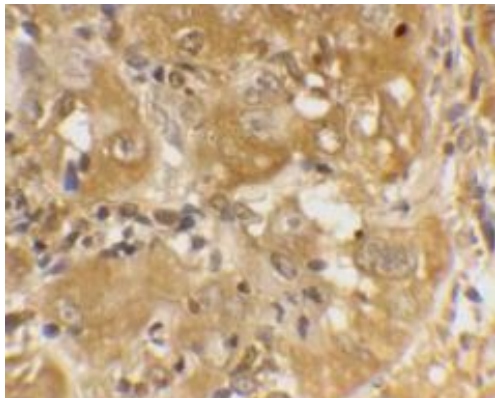
Database links	<a href="#">GeneID: 10018 Human</a> <a href="#">Swiss-port # O43521 Human</a>
Gene Symbol	BCL2L11
Gene Full Name	BCL2-like 11 (apoptosis facilitator)
Background	A novel BH3 domain-containing protein was recently identified and designated Bim or BOD from human, mouse, and rat. Bim/BOD interacts with diverse members in the pro-survival Bcl-2 subfamily including Bcl-2, Bcl-x L , and Bcl-w. Bim/BOD induces apoptosis. The messenger RNA of Bim is ubiquitously expressed in multiple tissues and cell lines.
Function	Induces apoptosis and anoikis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than isoform BimEL, isoform BimL and isoform BimS. Isoform Bim-gamma induces apoptosis. Isoform Bim-alpha3 induces apoptosis possibly through a caspase-mediated pathway. Isoform BimAC and isoform BimABC lack the ability to induce apoptosis. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Immune System antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	22 kDa
PTM	Phosphorylation at Ser-69 by MAPK1/MAPK3 leads to interaction with TRIM2 and polyubiquitination, followed by proteasomal degradation (PubMed:15486195, PubMed:21478148). Deubiquitination catalyzed by USP27X stabilizes the protein (By similarity). Ubiquitination by TRIM2 following phosphorylation by MAPK1/MAPK3 leads to proteasomal degradation. Conversely, deubiquitination catalyzed by USP27X stabilizes the protein.

Images



ARG54406 anti-BIM antibody WB image

Western blot: K:K562; A:A549 stained with ARG54406 anti-BIM antibody at 1 µg/ml dilution.



ARG54406 anti-BIM antibody IHC image

Immunohistochemistry: Human skin cancer cells stained with ARG54406 anti-BIM antibody at 20 µg/ml dilution.