

**ARG63573**  
anti-BIM antibodyPackage: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes BIM
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise at least reported isoforms Bim-alpha1 (BimABCD), Bim-alpha2 (BimACD) and Bim-alpha3 (BimAD).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	BIM
Species	Human
Immunogen	C-FNAYYARRLEK
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
	WB	0.5 - 2 µg/ml

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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 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.

## Bioinformation

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### Database links

[GeneID: 10018 Human](#)

[Swiss-port # O43521 Human](#)

### Background

The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The protein encoded by this gene contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator. The expression of this gene can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Jul 2008]

### 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

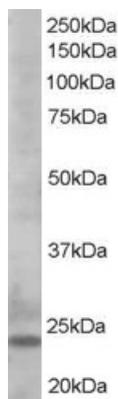
22 kDa

### 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

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### ARG63573 anti-BIM antibody WB image

Western Blot: K562 lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63573 anti-BIM (AD/ACD/ABCD isoforms) antibody at 0.5 µg/ml dilution.