

Rabbit Bim Polyclonal Antibody | anti-BIM antibody

Phospho-Bim (Ser77) Antibody

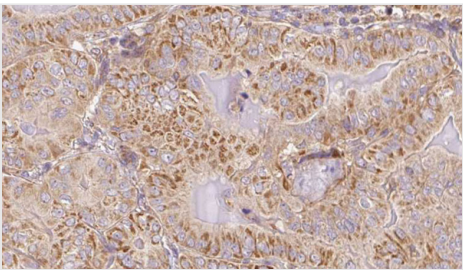
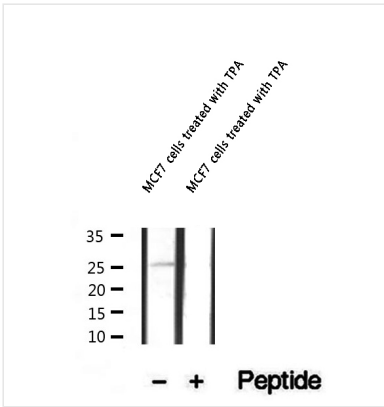
CATALOG # AAA321309	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Bim; Polyclonal Antibody; Phospho-Bim (Ser77) Antibody; BCL2 like 11; B2L11_HUMAN; BAM; Bcl 2 interacting protein Bim; Bcl 2 related ovarian death agonist; Bcl-2-like protein 11; BCL2 interacting mediator of cell death; BCL2 like 11 (apoptosis facilitator); BCL2 like protein 11; Bcl2-interacting mediator of cell death; Bcl2-L-11; Bcl2l11; BIM alpha6; BIM; BIM beta6; BIM beta7; BimEL; BimL; BOD; anti-BIM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Bim (Ser77) antibody detects endogenous levels of Bim.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	108
Applicable Applications for anti-BIM antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Bim around the phosphorylation site of Ser77.
Subcellular Location	Mitochondrion and Endomembrane System. Associated with intracytoplasmic membranes.
Tissue Specificity	Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Horse (83%), Sheep (92%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Epitope	Phospho Ser77
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA321309 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of MCF7 cells treated with TPA, using Phospho-Bim (Ser77) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BIM antibody	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. Subunit Structure: Forms heterodimers with a number of antiapoptotic Bcl-2 proteins, including MCL1, BCL2, BCL2L1 isoform Bcl-X(L), BCL2A1/BFL-1, BHRF1, and BCL2L2/BCLW (PubMed:11997495, PubMed:27013495, PubMed:18812174). Isoform BimS and isoform Bim-alpha3 interact with BAX; this interaction may lead to BAX activation through conformational change (PubMed:11997495). Does not heterodimerize with proapoptotic proteins such as BAD, BOK or BAK. Identified in a complex containing BCL2L11, DYNLL1 and BCL2L1 isoform Bcl-X(L); BH3 integrity is required for BCL2L1-binding. Interacts with YWHAZ. When phosphorylated, interacts with TRIM2; this interaction is associated with ubiquitination and degradation (PubMed:21478148). Interacts with MCL1; may sequester BCL2L11 to prevent its pro-apoptotic activity (PubMed:27013495, PubMed:17389404). When phosphorylated, isoform BimEL interacts with USP27X; this interaction leads to BCL2L11 deubiquitination and stabilization (PubMed:27013495). Post-translational Modifications: 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. Similarity: The BH3 motif is required for interaction with Bcl-2 proteins and cytotoxicity. Belongs to the Bcl-2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	323362959
NCBI GeneID	10018
NCBI Accession #	NP_001191035.1
NCBI GenBank Nucleotide #	NM_001204106.1
UniProt Accession #	O43521; O43522; Q0MSE7; Q0MSE8; Q0MSE9; Q53R28; Q6JTU6; Q6T851; Q6TE14; Q6TE15; Q6TE16; A8K2W2
Molecular Weight	Observed: 26 kDa Predicted: 23 kDa
NCBI Official Full Name	bcl-2-like protein 11 isoform 11
NCBI Official Synonym Full Names	BCL2 like 11
NCBI Official Symbol	BCL2L11

NCBI Official Synonym Symbols	BAM; BIM; BOD
NCBI Protein Information	bcl-2-like protein 11
UniProt Protein Name	Bcl-2-like protein 11
UniProt Gene Name	BCL2L11
UniProt Synonym Gene Names	BIM; Bcl2-L-11

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bim-antibody-immunohistochemistry-western-blot-elisa/321309>