

ARG51768 anti-BIM phospho (Ser69) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BIM phospho (Ser69)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BIM
Species	Human
Immunogen	Peptide sequence around phosphorylation site of serine 69 (P-A-S(p)-P-G) derived from Human BIM.
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	1:100 - 1:200
	IHC-P	1:50 - 1:100
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

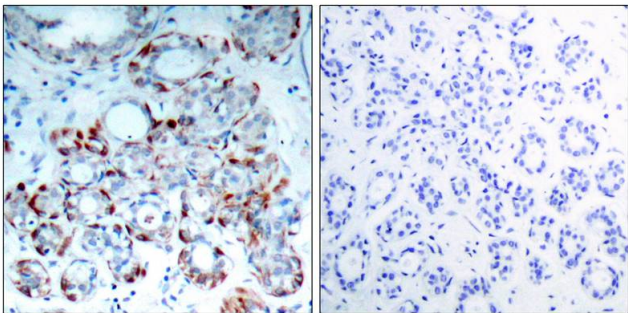
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg2+ and Ca2+, pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	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

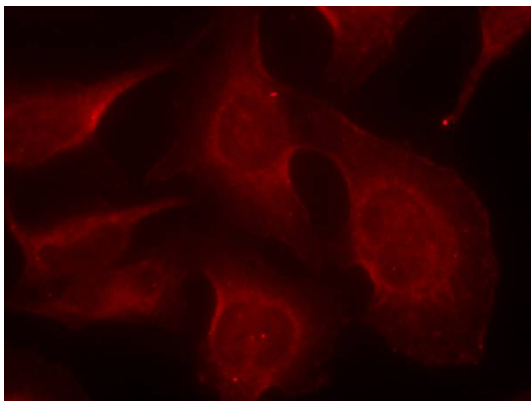
Gene Symbol	BCL2L11
Gene Full Name	BCL2-like 11 (apoptosis facilitator)
Background	Induces apoptosis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than the isoforms BimEL, BimL and BimS. Isoform Bim-gamma induces apoptosis
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



ARG51768 anti-BIM phospho (Ser69) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51768 anti-BIM phospho (Ser69) antibody (left) or the same antibody preincubated with blocking peptide (right).



ARG51768 anti-BIM phospho (Ser69) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51768 anti-BIM phospho (Ser69) antibody.