

Product Name: Bim (phospho Ser59) Rabbit Polyclonal Antibody
Catalog #: APRab04319



Summary

Production Name	Bim (phospho Ser59) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BCL2L11
Alternative Names	BCL2L11; BIM; Bcl-2-like protein 11; Bcl2-L-11; Bcl2-interacting mediator of cell death
Gene ID	10018.0
SwissProt ID	O43521.The antiserum was produced against synthesized peptide derived from human BIM around the phosphorylation site of Ser59. AA range:31-80

Application

Dilution Ratio	IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	

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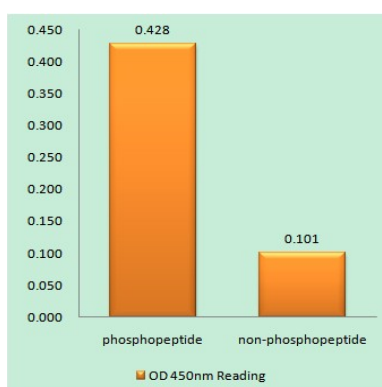
Background

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 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, Jun 2013],domain:The BH3 motif is required for Bcl-2 binding and cytotoxicity.,function: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.,similarity:Belongs to the Bcl-2 family.,subcellular location:Associated with intracytoplasmic membranes.,subunit:Forms heterodimers with a number of antiapoptotic Bcl-2 proteins including MCL1, BCL2, BCL2L1 isoform Bcl-X(L), BCL2A1/BFL-1, and BHRF1. Does not heterodimerize with proapoptotic proteins such as BAD, BOK, BAX or BAK.,tissue specificity:Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are ubiquitously expressed with a 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.,

Research Area

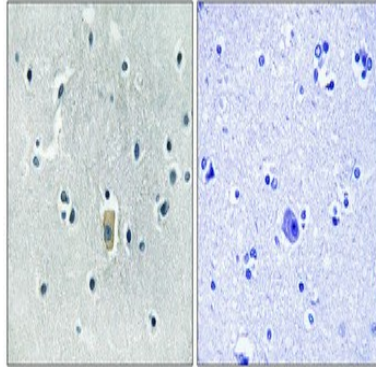
Stem cell pathway; PI3K/Akt

Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using BIM (Phospho-Ser59) Antibody

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.