

Bim (Phospho Thr56/116) Rabbit pAb

CatalogNo: YP1860 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, WB

MW

- 22kD (Calculated)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Bim (Phospho Thr56/116)

Specificity This antibody detects endogenous Bim(EL) only when phosphorylated at thr116 and endogenous Bim(L) when phosphorylated at thr56. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): TQtPS

| Target Information

Gene name BCL2L11 BIM

Protein Name Bcl-2-like protein 11 (Bcl2-L-11) (Bcl2-interacting mediator of cell death)

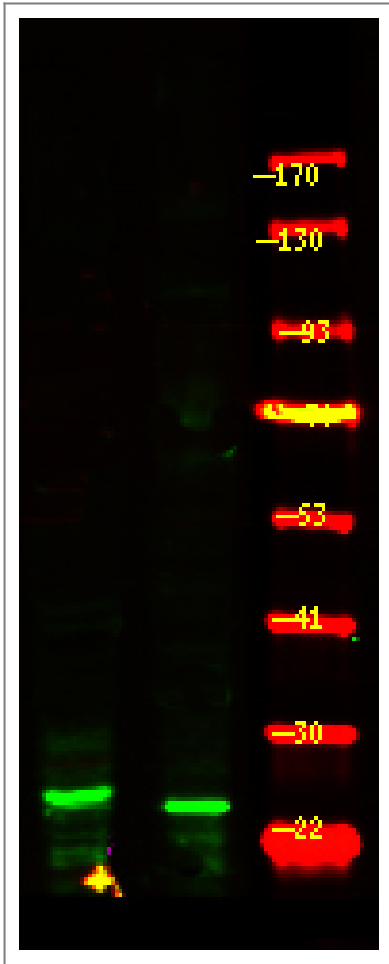
Organism	Gene ID	UniProt ID
Human	10018;	O43521;
Mouse	12125;	O54918;
Rat	64547;	O88498;

Cellular Localization Endomembrane system ; Peripheral membrane protein . Associated with intracytoplasmic membranes. ; [Isoform BimEL]: Mitochondrion. Translocates from microtubules to mitochondria on loss of cell adherence.; [Isoform BimL]: Mitochondrion.; [Isoform BimS]: Mitochondrion.; [Isoform Bim-alpha1]: Mitochondrion.

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.

Function 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. ,

| Validation Data



Western Blot analysis of 1 Jurkat cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

Contact information

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Bim (Phospho Thr56/116) Rabbit pAb

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