

Bim (Phospho Ser77) Rabbit pAb

CatalogNo: YP1277

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 22kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human Bim (Ser77)

Specificity This antibody detects endogenous levels of Human Mouse Bim (phospho-Ser77)

Target Information

Gene name BCL2L11 BIM

Protein Name

Bim (Ser77)

| 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.

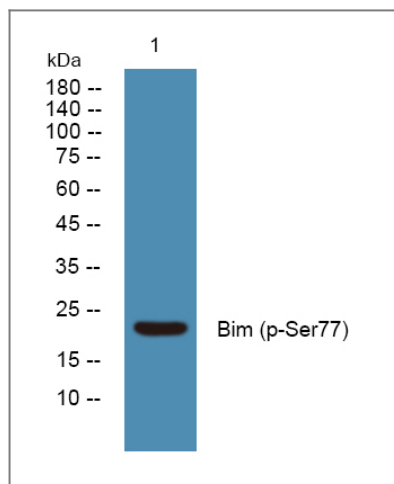
Tissue specificity

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 lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°C over night

Contact information

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