bs-3012R **[Primary Antibody]**

phospho-Bim (Ser87) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10018 **SWISS:** O43521

Target: phospho-Bim (Ser87)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Bim around the phosphorylation site of Ser87: RS(p-S)LL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Bim, Bcl-2 interacting mediator of cell death, is a pro-apoptotic protein belonging to the Bcl2 family of proteins containing a Bcl2 homology domain 3 (BH3). It is proapoptotic and exerts its effects by interacting with prosurvival members of the Bcl2 family like Bcl2, BclxL and Bclw. Bim is sequestered in an inactive conformation through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release Bim from microtubules, allowing inhibitory binding to anti-apoptotic Bcl-2 family members and subsequent iniation of apoptosis.

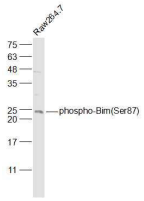
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Dog, Horse)

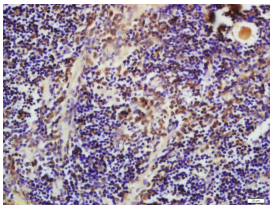
Predicted MW.: 22 kDa

Subcellular Location: Cell membrane ,Cytoplasm

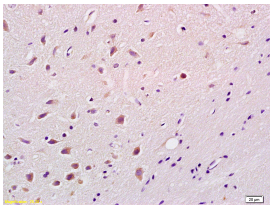
VALIDATION IMAGES



Sample: Raw264.7(Mouse) Cell Lysate at 30 ug Primary: Anti-phospho-Bim(Ser87) (bs-3012R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 24 kD



Tissue/cell: mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-phospho-Bim Polyclonal Antibody, Unconjugated(bs-3012R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-phospho-Bim(Ser87) Polyclonal Antibody, Unconjugated(bs-3012R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=31.743]** Kosuke Tanaka. et al. Targeting Aurora B kinase prevents and overcomes resistance to EGFR inhibitors in lung cancer by enhancing BIM- and PUMA-mediated apoptosis. Cancer Cell. 2021 Aug;: WB ;Human. 34388376
- **[IF=4.65]** Gogada, Raghu, et al. "Bim, a Proapoptotic Protein, Up-regulated via Transcription Factor E2F1-dependent Mechanism, Functions as a Prosurvival Molecule in Cancer." Journal of Biological Chemistry 288.1 (2013): 368-381. Other ;="". 23152504
- **[IF=4.486]** Yuanhui Zhu. et al. 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine Induced Parkinson’ s Disease in Mouse:

Potential Association between Neurotransmitter Disturbance and Gut Microbiota Dysbiosis. Acs Chem Neurosci. 2020;11(20):3366–3376 WB ;Mouse. 32926778