

Bim Rabbit mAb

Catalog No: #48807



Package Size: #48807-1 50ul #48807-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

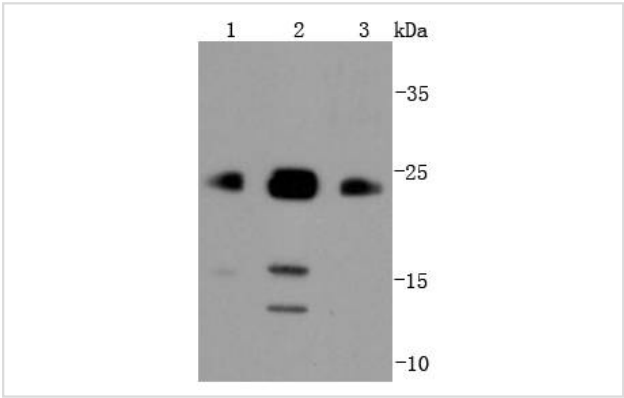
Description

Product Name	Bim Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SU0318
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	BCL2 like 11 antibody B2L11_HUMAN antibody BAM antibody Bcl 2 interacting protein Bim antibody Bcl 2 related ovarian death agonist antibody Bcl-2-like protein 11 antibody BCL2 interacting mediator of cell death antibody BCL2 like 11 (apoptosis facilitator) antibody BCL2 like protein 11 antibody Bcl2-interacting mediator of cell death antibody Bcl2-L-11 antibody Bcl2l11 antibody BIM alpha6 antibody BIM antibody BIM beta6 antibody BIM beta7 antibody BimEL antibody BimL antibody BOD antibody
Accession No.	Swiss-Prot#:O43521
Calculated MW	22/16/13 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

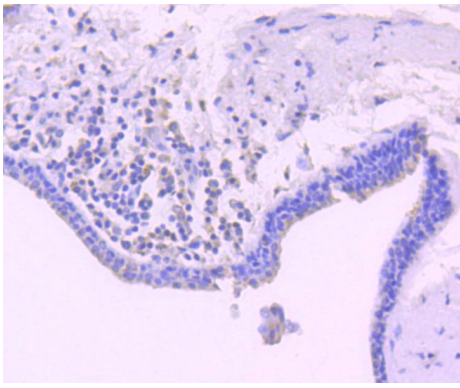
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

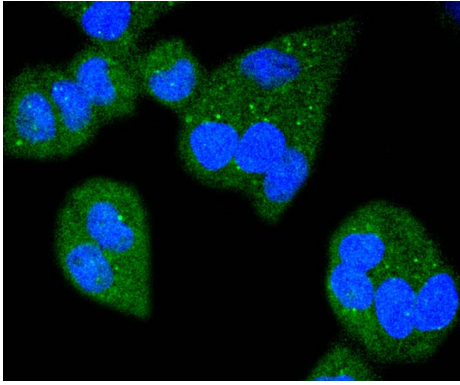
Images



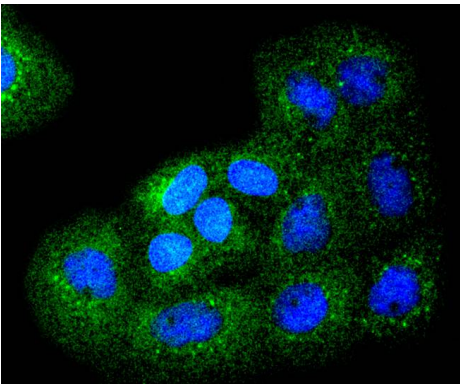
Western blot analysis of Bim on different lysates using anti-Bim antibody at 1/1,000 dilution. Positive control: Lane 1: Raji Lane 2: Jurkat Lane 3: A431



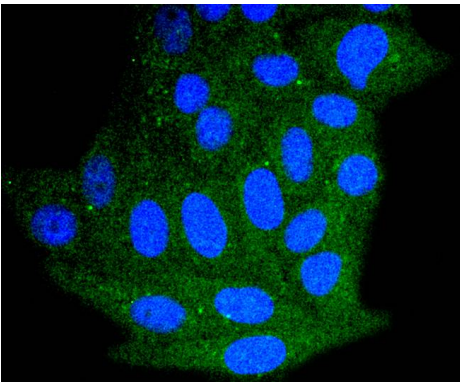
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Bim antibody. Counter stained with hematoxylin.



ICC staining Bim in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bim in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bim in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Pro-apoptotic Bcl-2 family members promote cell death by neutralizing their anti-apoptotic relatives, which otherwise maintain cell viability by regulating caspase activity. Bim belongs to the BH3-only subgroup of Bcl-2 related proteins, and exists in three distinct isoforms, BimS (short), BimL (long) and BimEL (extra long). ERK1/2 phosphorylates BimEL, resulting in rapid degradation of the isoform via the proteasome pathway. At least three sites for ERK1/2 phosphorylation exist on BimEL, whereas ERK1/2 does not effect BimS and BimL, implying a unique role for BimEL in cell survival signaling.

References

1. Liu L et al. SIRT2 enhances 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced nigrostriatal damage via apoptotic pathway. *Front Aging Neurosci* 6:184 (2014).
2. Ontikatz T et al. Dihydroartemisinin is a Hypoxia-Active Anti-Cancer Drug in Colorectal Carcinoma Cells. *Front Oncol* 4:116 (2014).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.