

For Research Use Only

# BAX Recombinant monoclonal antibody

Catalog Number: 81789-4-RR



## Basic Information

<b>Catalog Number:</b> 81789-4-RR	<b>GenBank Accession Number:</b> BC014175	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 581	<b>CloneNo.:</b> 252648D5
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q07812	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
<b>Immunogen Catalog Number:</b> AG40421	<b>Full Name:</b> BCL2-associated X protein	
	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HEK-293 cells, HeLa cells, HepG2 cells, A549 cells, ACHN cells, RAW 264.7 cells, C6 cells
	<b>IF/ICC :</b> MCF-7 cells,

## Background Information

BAX, also named as BCL2L4, is a pro-apoptotic member of the Bcl-2 protein family, which plays a pivotal role in controlling cell life and death. Bax largely localizes to the cytoplasm of healthy cells, but accumulates on the outer mitochondrial membrane upon apoptosis induction (PMID: 9108035). BAX can commit a cell to apoptosis by translocation from the cytosol to the mitochondria and permeabilization of the outer mitochondrial membrane, which leads to the release of cytochrome c from mitochondria (PMID: 21763611). The expression of BAX is upregulated by the tumor suppressor protein p53, and BAX has been shown to be involved in p53-mediated apoptosis (PMID: 8183579).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

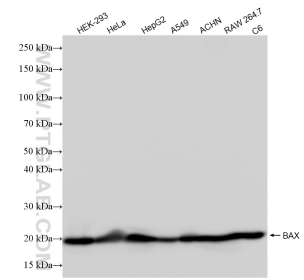
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

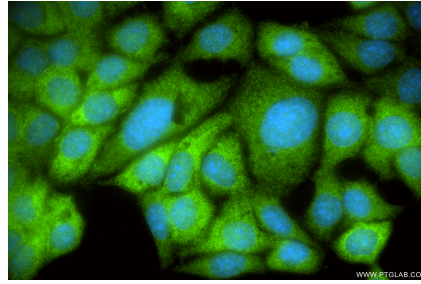
W: [ptgcn.com](http://ptgcn.com)

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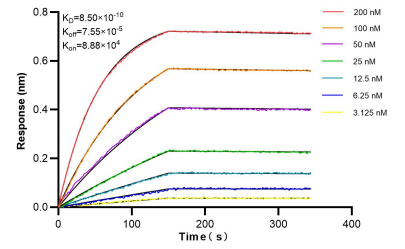
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81789-4-RR (BAX antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using BAX antibody (81789-4-RR, Clone: 252648D5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 81789-4-RR against Human BAX were performed. The affinity constant is 0.85 nM.