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Datasheet for ABIN7265859

## anti-BAX antibody

### 7 Images

#### Overview

Quantity:	100 µL
Target:	BAX
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

#### Product Details

Purpose:	Bax Rabbit mAb
Immunogen:	A synthetic peptide of human Bax.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	BAX
Alternative Name:	BAX ( <a href="#">BAX Products</a> )

## Target Details

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**Background:** The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.,BCL2L4,BAX,Cancer,Invasion and Metastasis,Signal Transduction,PI3K-Akt Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Bcl 2 family,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Endocrine & Metabolism,Mitochondrial metabolism,Warburg Effect,Neuroscience,Neurodegenerative Diseases,BAX

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**Molecular Weight:** 4kDa/12kDa/15kDa/18kDa/19kDa/21kDa/24kDa

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**Gene ID:** 581

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**UniProt:** [Q07812](#)

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**Pathways:** [p53 Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

## Application Details

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**Application Notes:** WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Buffer:** PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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**Preservative:** Sodium azide

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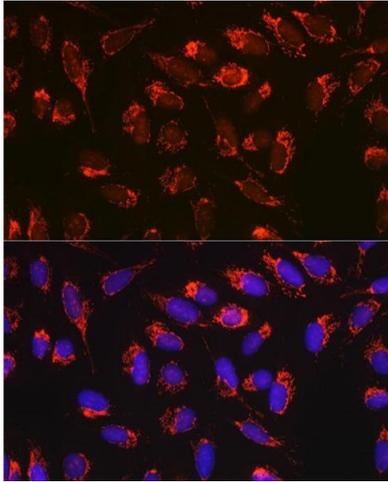
**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Storage:** -20 °C

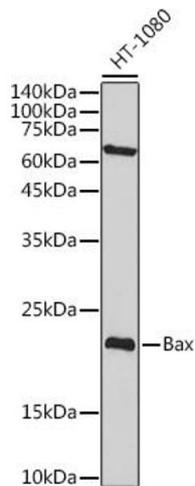
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**Storage Comment:** Store at -20°C. Avoid freeze / thaw cycles.



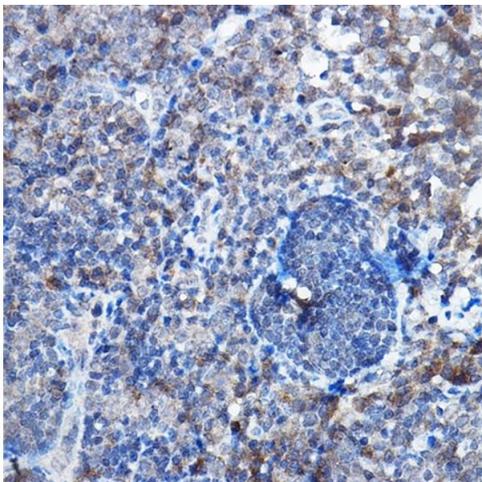
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using Bax Rabbit mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of HT-1080 cells, using Bax antibody at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat lymph node using Bax Rabbit mAb at dilution of 1:25,1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7265859.