**Product Datasheet**

# Bax Antibody

Catalog No: #32011

Package Size: #32011-1 50ul #32011-2 100ul

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

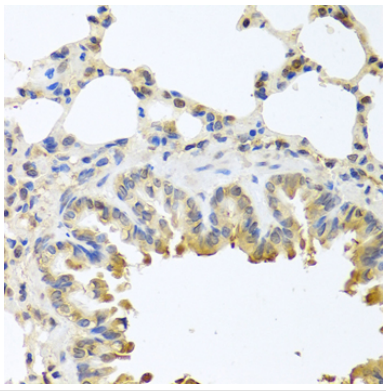
## Description

| | |
|---|---|
| Product Name | Bax Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB;IHC;IF;IP;ELISA |
| Species Reactivity | Human;Mouse;Rat |
| Specificity | The antibody detects endogenous level of total Bax protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human Bax . |
| Conjugates | Unconjugated |
| Target Name | Bax |
| Other Names | BAX; BCL2L4; |
| Accession No. | Swiss-Prot:Q07812NCBI Gene ID:581 |
| Calculated MW | 21kDa |
| SDS-PAGE MW | 21kDa |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

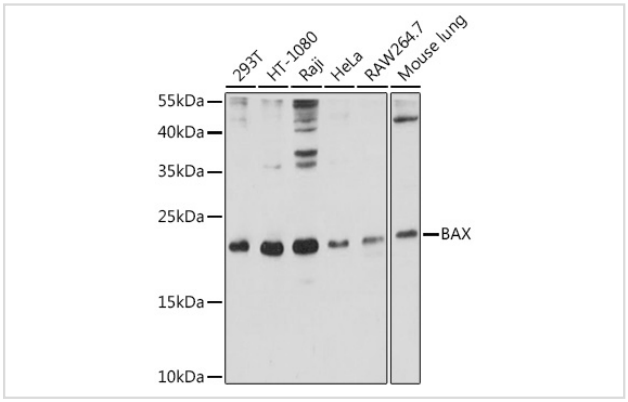
## Application Details

WB 1:500-1:2000; IHC 1:50-1:200; IF 1:50-1:200; ELISA 1:5000-1:20000; IP 1:50-1:200;

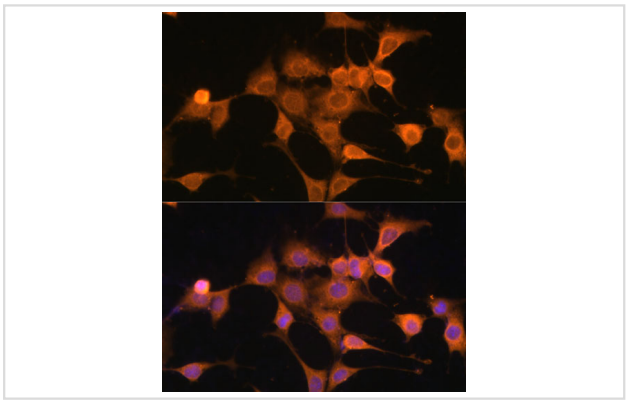
## Images



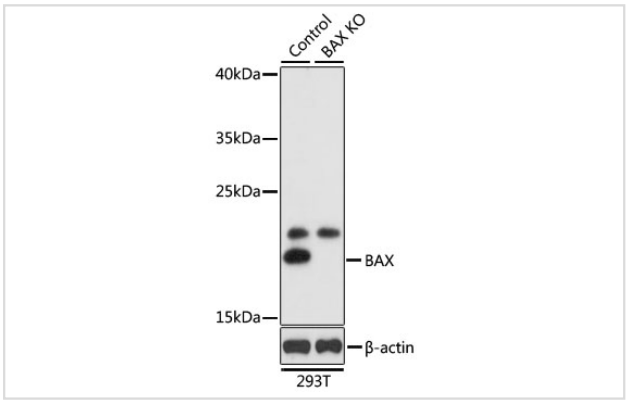
Immunohistochemistry of paraffin-embedded mouse lung using Bax antibody at dilution of 1:100 (40x lens).




Western blot analysis of extracts of various cell lines, using BAX antibody at 1:1000 dilution.



Immunofluorescence analysis of NIH/3T3 cells using BAX antibody at dilution of 1:100. Blue: DAPI for nuclear staining.




Western blot analysis of extracts from normal (control) and BAX knockout (KO) 293T cells, using BAX antibody at 1:1000 dilution.

## Background

Bax is a key component for cellular induced apoptosis through mitochondrial stress (1). Upon apoptotic stimulation, Bax forms oligomers and translocates from the cytosol to the mitochondrial membrane (2). Through interactions with pore proteins on the mitochondrial membrane, Bax increases the membrane's permeability, which leads to the release of cytochrome c from mitochondria, activation of caspase-9 and initiation of the caspase activation pathway for apoptosis (3,4).

## Published Papers

el at., miR-137 and miR-197 induce apoptosis and suppress tumorigenicity by targeting MCL-1 in multiple myeloma.In Clin Cancer Res on 2015 May 15 by Yijun Yang , Fei Li et al..PMID:25724519 , , (2015)

PMID:25724519

el at., Small molecule MIRA-1 induces in vitro and in vivo anti-myeloma activity and synergizes with current anti-myeloma agents.On Br J Cancer.On 2014 Apr 29 by Saha MN, Chen Y et al..PMID:24691427, , (2014)

PMID:24691427

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