

## Allgemeine Informationen

Katalog-Nr.:  
50599-2-Ig

Größe:  
150ul , Konzentration: 800 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG0576

GenBank-Zugangsnummer:  
BC014175

GeneID (NCBI):  
581

Vollständiger Name:  
BCL2-associated X protein

Berechnete Masse:  
21 kDa

Beobachtete Masse:  
21 kDa

Reinigungsmethode:  
Protein-A-Reinigung

Empfohlene Verdünnungen:  
WB 1:2000-1:16000  
IP 0.5-4.0 ug für IP und 1:500-1:2000  
für WB  
IHC 1:1000-1:4000

## Anwendungen

Geprüfte Anwendungen:  
FC, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:  
ChIP, CoIP, FC, IHC, IP, WB

Getestete Reaktivität:  
Human, Maus, Ratte

Zitierte Arten:  
Hamster, Hausschwein, Huhn, Human, Hund,  
Kaninchen, Maus, Rind, Ziege, Hu-Schaf

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : HEK-293-Zellen, COLO 320-Zellen, HeLa-Zellen, HT-1080.Zellen, Mauseierengewebe, NIH/3T3-Zellen, PC-12-Zellen, Raji-Zellen, Rattenhirngewebe, Ratten-Kolongewebe, Rattenlungengewebe, Rattennierengewebe, RAW 264.7-Zellen

IP : Raji-Zellen,

IHC : Mauslungengewebe, Mauseierengewebe

## Hintergrundinformationen

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).

## Bemerkenswerte Veröffentlichungen

| Verfasser     | Pubmed ID | Journal       | Anwendung |
|---------------|-----------|---------------|-----------|
| Xiaoxuan Zhai | 36184541  | Int Heart J   | WB        |
| Xin Shen      | 36184549  | Int Heart J   | WB        |
| Ling Guo      | 34867437  | Front Physiol | WB        |

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

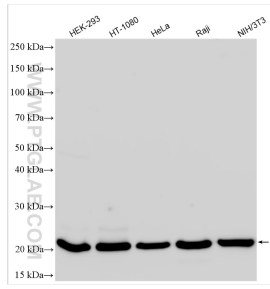
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

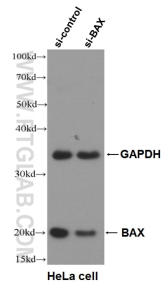
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

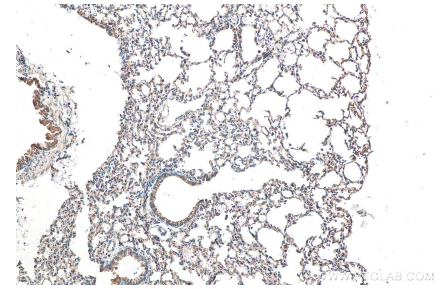
## Ausgewählte Validierungsdaten



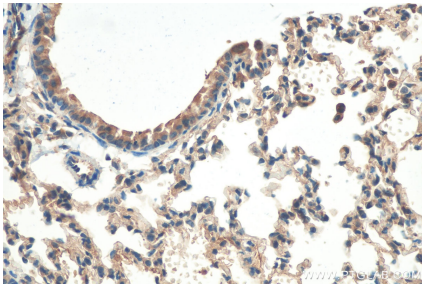
Various lysates were subjected to SDS PAGE followed by western blot with 50599-2-Ig (BAX antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



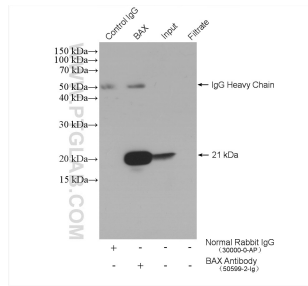
WB result of BAX antibody (50599-2-Ig, 1:5000) with si-Control and si-BAX transfected HeLa cells.



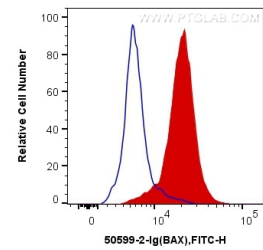
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 50599-2-Ig (BAX antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 50599-2-Ig (BAX antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BAX (IP:50599-2-Ig, 4ug; Detection:50599-2-Ig 1:1000) with Raji cells lysate 3160 ug.



$1 \times 10^6$  Ramos cells were intracellularly stained with 0.4 ug Anti-Human BAX (50599-2-Ig) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).