

# BNIP3 Rabbit pAb

Catalog No.: A5683 **18 Publications**

## Basic Information

### Observed MW

22-70kDa

### Calculated MW

22kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

664

### Swiss Prot

Q12983

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 40-120 of human BNIP3 (NP\_004043.3).

### Synonyms

NIP3; HABON; BNIP3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

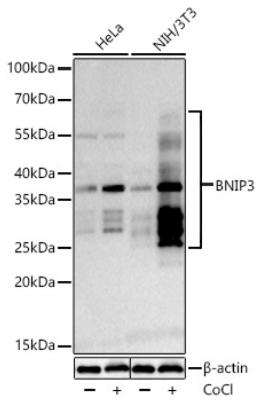
Affinity purification

### Storage

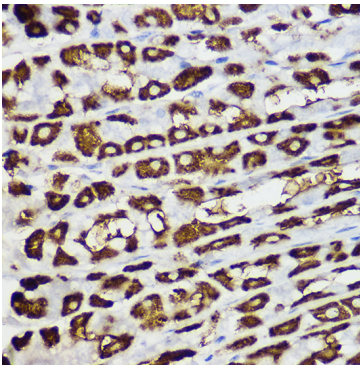
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

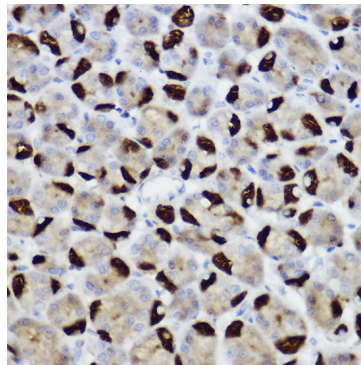
## Validation Data



Western blot analysis of various lysates using BNIP3 Rabbit pAb (A5683) at 1:1000 dilution incubated overnight at 4°C. HeLa and NIH/3T3 cells were treated by Cobalt chloride (0.1 mM) at 37°C for 4 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



Immunohistochemistry analysis of paraffin-embedded Mouse stomach using BNIP3 Rabbit pAb (A5683) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat stomach using BNIP3 Rabbit pAb (A5683) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.