

## **BNIP1** Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19321a

### Specification

# **BNIP1** Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	<u>Q12981</u>
Other Accession	<u>NP_001196.2</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26132
Antigen Region	26-55

# **BNIP1** Antibody (N-term) - Additional Information

#### Gene ID 662

**Other Names** 

Vesicle transport protein SEC20, BCL2/adenovirus E1B 19 kDa protein-interacting protein 1, Transformation-related gene 8 protein, TRG-8, BNIP1, NIP1, SEC20L

#### Target/Specificity

This BNIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human BNIP1.

Dilution WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

BNIP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## **BNIP1** Antibody (N-term) - Protein Information

Name BNIP1

Synonyms NIP1, SEC20L



**Function** As part of a SNARE complex may be involved in endoplasmic reticulum membranes fusion and be required for the maintenance of endoplasmic reticulum organization (PubMed:<u>15272311</u>). Also plays a role in apoptosis (PubMed:<u>15272311</u>, PubMed:<u>23896122</u>, PubMed:<u>7954800</u>). It is for instance required for endoplasmic reticulum stress-induced apoptosis (PubMed:<u>23896122</u>). As a substrate of RNF185 interacting with SQSTM1, might also be involved in mitochondrial autophagy (Probable).

#### **Cellular Location**

Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Mitochondrion membrane; Single-pass type IV membrane protein. Note=Localization to the mitochondrion is regulated by RNF186.

#### **Tissue Location**

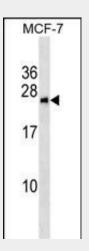
Isoform 1 is highly expressed in heart, brain, liver skeletal muscle and pancreas. Isoform 3 is moderately expressed in placenta, lung and kidney. Isoform 4 is highly expressed in testis and small intestine.

# **BNIP1 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# BNIP1 Antibody (N-term) - Images



BNIP1 Antibody (N-term)(Cat. #AP19321a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the BNIP1 antibody detected the BNIP1 protein (arrow).

## **BNIP1** Antibody (N-term) - Background

This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein which is responsible for the protection of



virally-induced cell death, as well as E1B 19 kDa-like sequences of BCL2, also an apoptotic protector. Alternative splicing of this gene results in four protein products with identical N- and C-termini.

# **BNIP1 Antibody (N-term) - References**

Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Nakajima, K., et al. EMBO J. 23(16):3216-3226(2004) Zhang, H., et al. FEBS Lett. 448(1):23-27(1999) Kataoka, N., et al. Nucleic Acids Res. 23(18):3638-3641(1995)