

BNIP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19321a**Specification**

BNIP1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q12981](#)**BNIP1 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BNIP1 Antibody (N-term) Blocking Peptide - 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: [15272311](http://www.uniprot.org/citations/15272311)). Also plays a role in apoptosis (PubMed: [15272311](http://www.uniprot.org/citations/15272311), PubMed: [23896122](http://www.uniprot.org/citations/23896122), PubMed: [7954800](http://www.uniprot.org/citations/7954800)). It is for instance required for endoplasmic reticulum stress-induced apoptosis (PubMed: [23896122](http://www.uniprot.org/citations/23896122)). 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BNIP1 Antibody (N-term) Blocking Peptide - Images**BNIP1 Antibody (N-term) Blocking Peptide - Background**

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