

**BNIP2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13384b****Specification**

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**BNIP2 Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q12982</a>
Other Accession	<a href="#">NP_004321.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36018
Antigen Region	285-316

**BNIP2 Antibody (C-term) - Additional Information****Gene ID** 663**Other Names**

BCL2/adenovirus E1B 19 kDa protein-interacting protein 2, BNIP2, NIP2

**Target/Specificity**

This BNIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-316 amino acids from the C-terminal region of human BNIP2.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

BNIP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**BNIP2 Antibody (C-term) - Protein Information****Name** BNIP2

**Synonyms** NIP2

**Function** Implicated in the suppression of cell death. Interacts with the BCL-2 and adenovirus E1B 19 kDa proteins.

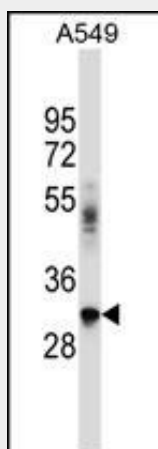
**Cellular Location**

Cytoplasm. Cytoplasm, perinuclear region. Note=Localizes to the nuclear envelope region and to other cytoplasmic structures

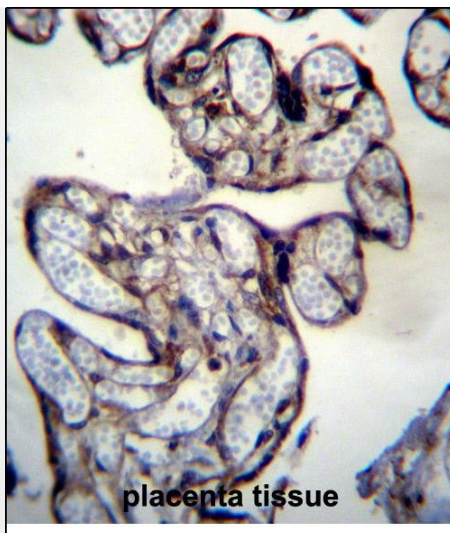
**BNIP2 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BNIP2 Antibody (C-term) - Images**

BNIP2 Antibody (C-term) (Cat. #AP13384b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the BNIP2 antibody detected the BNIP2 protein (arrow).



BNIP2 Antibody (C-term) (Cat. #AP13384b) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BNIP2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **BNIP2 Antibody (C-term) - Background**

This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. Though the specific function is unknown, 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.

#### **BNIP2 Antibody (C-term) - References**

- Scott, G.B., et al. Biochem. J. 431(3):423-431(2010)
- Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
- Valencia, C.A., et al. Biochem. Biophys. Res. Commun. 364(3):495-501(2007)
- Zhou, Y.T., et al. Exp. Cell Res. 303(2):263-274(2005)
- Shang, X., et al. J. Biol. Chem. 278(46):45903-45914(2003)