10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BNIP2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13384b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q12982
Other Accession	NP_004321.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32738
Calculated MW	36018
Antigen Region	285-316

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	WB~~1:1000 IHC-P~~1:100~500 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.

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

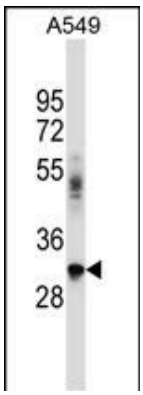
Background

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.

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)

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.