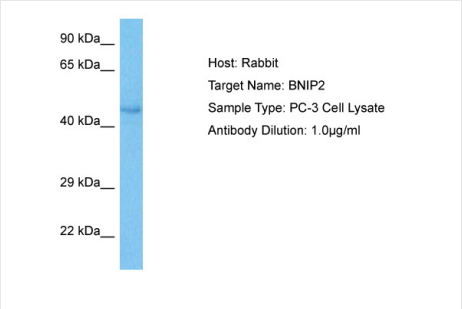
BNIP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BNIP2, Polyclonal Antibody
Full Product Name	BNIP2 Antibody - N-terminal region
Product Gene Name	anti-BNIP2 antibody
Product Synonym Gene Name	NIP2; BNIP-2
Immunogen Sequence	Synthetic peptide located within the following region: KEEWQDEDFP IPLPEDDSIE ADILAITGPE DQPGSLEVNG NKVRKKLMAP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	BNIP2 peptide (MBS3247947) is used for blocking the activity of BNIP2 antibody (MBS3223304)
Molecular Weight	43 kDa
OMIM	603292
3D Structure	ModBase 3D Structure for Q12982
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human BNIP2
Product Categories/Family for anti-BNIP2 antibody	Polyclonal; Apoptosis
Applications Tested/Suitable for anti-BNIP2 antibody	Western Blot (WB)
Related Product Information for anti-BNIP2 antibody	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 protects cells from virally-induced cell death. The encoded protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. Alternate splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-BNIP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BNIP2 purchase	MBS3223304 is an antibody targeting BNIP2. Also known as BNIP2 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BNIP2 antibody
Host: RabbitTarget Name: BNIP2Sample Tissue: Human PC-3 Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BNIP2. It may not necessarily be applicable to this product.

NCBI GI #	168480080
NCBI GeneID	663
NCBI Accession #	NP_001307604.1
UniProt Primary Accession #	Q12982
UniProt Related Accession #	Q12982
GenBank Nucleotide #	NM_001320675.1
NCBI Official Full Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2 isoform 2
NCBI Official Synonym Full Names	BCL2 interacting protein 2
NCBI Official Symbol	BNIP2
NCBI Official Synonym Symbols	NIP2; BNIP-2
UniProt Protein Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2
Protein Family	BCL2/adenovirus E1B 19 kDa protein-interacting protein
UniProt Gene Name	BNIP2
UniProt Synonym Gene Names	NIP2
UniProt Entry Name	BNIP2_HUMAN
NCBI Protein Information	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2
UniProt Comments for BNIP2	BNIP2: Implicated in the suppression of cell death. Interacts with the BCL-2 and adenovirus E1B 19 kDa proteins. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 15q22.2 Cellular Component: intracellular membrane-bound organelle; perinuclear region of cytoplasm; cytoplasm; nuclear envelope; cytosol Molecular Function: identical protein binding; protein binding; calcium ion binding; GTPase activator activity Biological Process: muscle cell differentiation; apoptosis; positive regulation of muscle cell differentiation; positive regulation of GTPase activity; negative regulation of apoptosis
Research Articles on BNIP2	**1.** BNIP-2 is a kinesin-1 adapter involved in vesicular transportation in the cytoplasm and that association with cargos depends on interaction of the CRAL-TRIO domain with membrane phosphatidylserine.

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