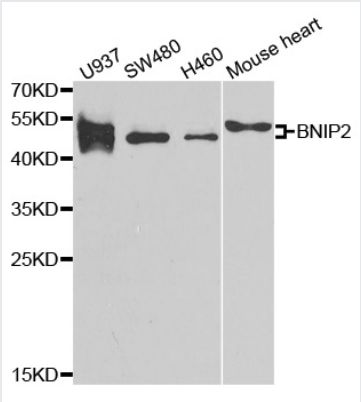
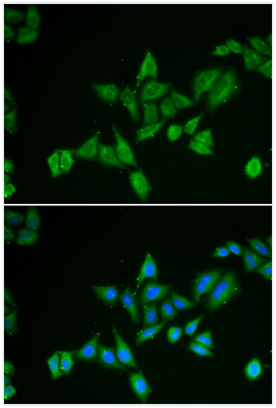
# BNIP2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | BNIP2, Polyclonal Antibody |
| **Full Product Name** | BNIP2 antibody |
| **Product Gene Name** | anti-BNIP2 antibody |
| **Product Synonym Names** | NIP2; BNIP-2 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | Antibodies were purified by affinity purification using immunogen. |
| **Concentration** | 1.0 mg/ml (lot specific) |
| **Specificity** | The antibody detects endogenous level of total BNIP2 antibody. |
| **Preparation and Storage** | Store at -20 degree C |
| **Molecular Weight** | 43,135 Da |
| **OMIM** | 603292 |
| **3D Structure** | ModBase 3D Structure for Q12982 |
| **Immunogen Type** | Recombinant Protein |
| **Immunogen Description** | Recombinant protein of human BNIP2. |
| **Target Name** | BNIP2 |
| **Product Categories/Family for anti-BNIP2 antibody** | Total protein Ab |
| **Applications Tested/Suitable for anti-BNIP2 antibody** | Western Blot (WB), Immunofluorescence (IF) |
| **Application Notes for anti-BNIP2 antibody** | Western blotting: 1:500 - 1:2000<br>Immunofluorescence: 1:50 - 1:200 |
| **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. |
| **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** | MBS9401024 is an antibody targeting BNIP2. Also known as BNIP2 antibody. Reactive in Human, Mouse. Host: Rabbit. |




**Western Blot (WB) of anti-BNIP2 antibody**
Western blot analysis of extracts of various cell lines, using BNIP2 antibody.



**Immunofluorescence (IF) of anti-BNIP2 antibody**
Immunofluorescence analysis of HeLa cell using BNIP2 antibody. Blue: DAPI for nuclear staining.

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 168480080 |
| **NCBI GeneID** | 663 |
| **NCBI Accession #** | NP_004321.2 |
| **UniProt Primary Accession #** | Q12982 |
| **UniProt Secondary Accession #** | B4DS94 |
| **UniProt Related Accession #** | Q12982 |
| **GenBank Nucleotide #** | NM_004330.2 |
| **NCBI Official Full Name** | BCL2/adenovirus E1B 19 kDa protein-interacting protein 2 |
| **NCBI Official Synonym Full Names** | BCL2/adenovirus E1B 19kDa 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 |

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| **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.<br><br>Protein type: Motility/polarity/chemotaxis; Apoptosis<br><br>Chromosomal Location of Human Ortholog: 15q22.2<br><br>Cellular Component: intracellular membrane-bound organelle; perinuclear region of cytoplasm; cytoplasm; nuclear envelope; cytosol<br><br>Molecular Function: identical protein binding; protein binding; calcium ion binding; GTPase activator activity<br><br>Biological Process: muscle cell differentiation; apoptosis; positive regulation of muscle cell differentiation; negative regulation of apoptosis; positive regulation of GTPase activity |
| **Research Articles on BNIP2** | **1.** BNIP-2 directly interacted with the motor and tail domains of KIF5B via its BCH domain. |
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