



# BNIP-3 Monoclonal Antibody

<b>Catalog No</b>	BYmab-00564
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	BNIP3
<b>Protein Name</b>	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human BNIP3. AA range:71-120
<b>Specificity</b>	BNIP-3 Monoclonal Antibody detects endogenous levels of BNIP-3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	BNIP3; NIP3; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
<b>Observed Band</b>	22kD
<b>Cell Pathway</b>	Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein. Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria. Colocalizes with SPATA18 at the mitochondrion outer membrane.
<b>Tissue Specificity</b>	B-cell,Brain,Cerebellum,Kidney,Testis,
<b>Function</b>	function:Apoptosis-inducing protein that, which can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2.,similarity:Belongs to the NIP3 family.,subcellular location:Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope.,subunit:Homodimer. Binds to BCL2. Interacts with BNIP3L. Also can interact with adenovirus E1B 19 kDa protein or Epstein-Barr virus BHRF1.,

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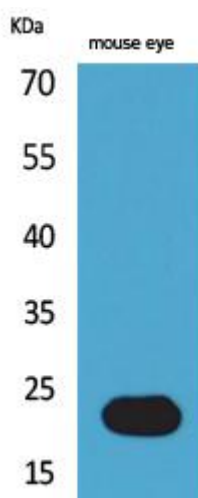
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<b>Background</b>	This gene is encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation. [provided by RefSeq, Dec 2014],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using BNIP-3 Monoclonal Antibody