

Rabbit BNIP3 Monoclonal Antibody | anti-BNIP3 antibody

Anti-BNIP3 Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47059	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

BNIP3; Monoclonal Antibody; Anti-BNIP3 Rabbit Monoclonal Antibody; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3; NIP3; anti-BNIP3 antibody

PRODUCT SPECIFICATIONS

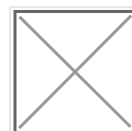
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	AAEI-2
Purity/Purification	Affinity-chromatography
Form/Format	Liquid; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-BNIP3 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human BNIP3
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney, using BNIP3 Antibody.



WB (Western Blot)

Western blot analysis of BNIP3 expression in (1) Jurkat cell lysate; (2) Mouse spleen lysate (AAA47059). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BNIP3 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for BNIP3

ADDITIONAL INFORMATION

Related Product Information for anti-BNIP3 antibody	<p>Apoptosis-inducing protein that can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates to mitochondrial protein catabolic process (also named MALM) leading to the degradation of damaged proteins inside mitochondria. The physical interaction of SPATA18/MIEAP, BNIP3 and BNIP3L/NIX at the mitochondrial outer membrane regulates the opening of a pore in the mitochondrial double membrane in order to mediate the translocation of lysosomal proteins from the cytoplasm to the mitochondrial matrix. Plays an important role in the calprotectin (S100A8/A9)-induced cell death pathway.</p> <p>Description: Anti-BNIP3 Rabbit Monoclonal Antibodytested for IF, IHC, ICC, WB in Human, Mouse, Rat.</p>
Product Categories/Family for anti-BNIP3 antibody	<p>Cell Biology; Apoptosis; Intracellular; BCL2 Family; Microbiology; Interspecies Interaction; Host Virus Interaction; Cell Biology; Mitochondrial; Cardiovascular; Heart; Cancer; Cancer Metabolism; Response to Hypoxia; Metabolism; Pathways and Processes; Mi</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	734703979
NCBI GeneID	664
NCBI Accession #	NP_004043.3
NCBI GenBank Nucleotide #	NM_004052.3
UniProt Accession #	Q12983; O14620; Q96GP0
NCBI Official Full Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
NCBI Official Synonym Full Names	BCL2 interacting protein 3
NCBI Official Symbol	BNIP3
NCBI Official Synonym Symbols	NIP3
NCBI Protein Information	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
UniProt Protein Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
UniProt Gene Name	BNIP3
UniProt Synonym Gene Names	NIP3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/bnip3-antibody-clone-aaei-2-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-elisa/47059>