

Rabbit BNIP3L Polyclonal Antibody | anti-BNIP3L antibody

BNIP3L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327415	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

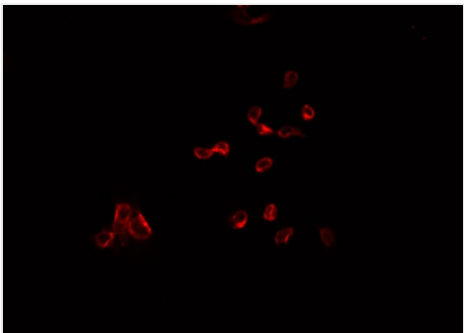
PRODUCT SYNONYMS

BNIP3L; Polyclonal Antibody; BNIP3L Antibody; Adenovirus E1B19k binding protein B5; Adenovirus E1B19K-binding protein B5; BCL2/adenovirus E1B 19 kd protein interacting protein 3a; BCL2/adenovirus E1B 19 kDa protein interacting protein 3A; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3A; BCL2/adenovirus E1B 19kDa interacting protein 3 like; BNI3L_HUMAN; BNIP3a; BNIP3H; BNIP3L protein; NIP3 like protein X; NIP3-like protein X; NIP3L; NIX; anti-BNIP3L antibody

PRODUCT SPECIFICATIONS

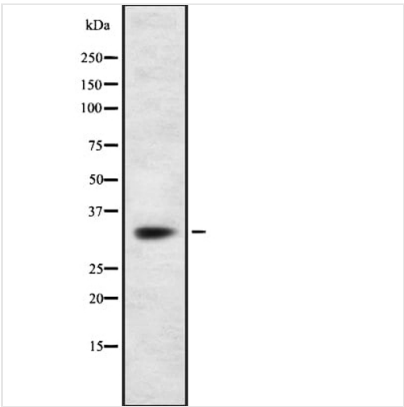
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BNIP3L antibody detects endogenous levels of total BNIP3L
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	179
Applicable Applications for anti-BNIP3L antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BNIP3L
Subcellular Location	Nucleus Envelope. Endoplasmic Reticulum. Mitochondrion. Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



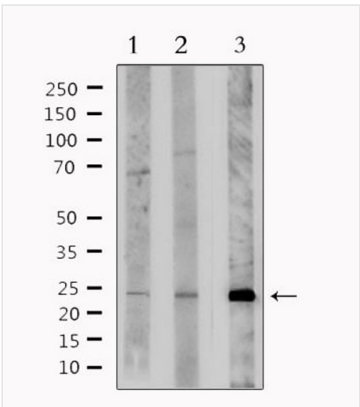
IF (Immunofluorescence)

AAA327415 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of BNIP3L using LOVO whole cell lysates



WB (Western Blot)

Western blot analysis of extracts from various samples, using BNIP3L Antibody. lane 1: rat brain; lane 2: mouse brain; lane 3: HeLa;

ADDITIONAL INFORMATION

Related Product Information for anti-BNIP3L antibody

Function: Induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. Inhibits apoptosis induced by BNIP3. Involved in mitochondrial quality control via its interaction with SPATA18/MIEAP: in response to mitochondrial damage, participates in 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. May function as a tumor suppressor.

Subunit Structure: Self-associates. Interacts with BNIP3 and STEAP3. Interacts with human adenovirus-2 E1B 19 kDa protein. Interacts (via BH3 domain) with SPATA18 (via coiled-coil domains).

Post-translational Modifications: Undergoes progressive proteolysis to an 11 kDa C-terminal fragment, which is blocked by the proteasome inhibitor lactacystin.

Similarity: Belongs to the NIP3 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1060099158
NCBI GeneID	665
NCBI Accession #	NP_001317420.1
NCBI GenBank Nucleotide #	NM_001330491.1

UniProt Accession #	O60238 ; Q5JW63 ; Q8NF87 ; B0AZS9
Molecular Weight	Observed: 35 kDa Predicted: 24 kDa
NCBI Official Full Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like isoform 2
NCBI Official Synonym Full Names	BCL2 interacting protein 3 like
NCBI Official Symbol	BNIP3L
NCBI Official Synonym Symbols	NIX; BNIP3a
NCBI Protein Information	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like
UniProt Protein Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like
UniProt Gene Name	BNIP3L
UniProt Synonym Gene Names	BNIP3A; BNIP3H; NIX; NIP3L

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/polyclonal/bnip3l-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327415>