

Rabbit BNIP3L Polyclonal Antibody | anti-BNIP3L antibody

Anti-BNIP3L Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127160	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

BNIP3L; Polyclonal Antibody; Anti-BNIP3L Antibody Picoband; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like; BCL2 interacting protein 3 like; BNIP3A; BNIP3H; NIX; Adenovirus E1B19K-binding protein B5; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3A; NIP3-like protein X; NIP3L; anti-BNIP3L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-BNIP3L antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human BNIP3L, identical to the related mouse sequences.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of JK cells using anti-BNIP3L antibody (AAA127160).Overlay histogram showing JK cells stained with AAA127160 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BNIP3L Antibody (AAA127160, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of BNIP3L using anti-BNIP3L antibody (AAA127160).BNIP3L was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-BNIP3L Antibody (AAA127160) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of BNIP3L using anti-BNIP3L antibody (AAA127160). 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 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: rat kidney tissue lysates, Lane 5: mouse kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-BNIP3L antigen affinity purified polyclonal antibody (#AAA127160) at 0.5ug/mL 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 1:5000 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 BNIP3L at approximately 35 kDa. The expected band size for BNIP3L is at 24 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BNIP3L antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-BNIP3L antibody	Primary Antibodies
References	1. Chen, G., Cizeau, J., Vande Velde, C., Park, J. H., Bozek, G., Bolton, J., Shi, L., Dubik, D., Greenberg, A. Nix and nip3 form a subfamily of pro-apoptotic mitochondrial proteins. J. Biol. Chem. 274: 7-10, 1999.2. Gao, F., Chen, D., Si, J., Hu, Q., Qin, Z., Fang, M., Wang, G. The mitochondrial protein BNIP3L is the substrate of PARK2 and mediates mitophagy in PINK1/PARK2 pathway. Hum. Molec. Genet. 24: 2528-2538, 2015.3. Matsushima, M., Fujiwara, T., Takahashi, E., Minaguchi, T., Eguchi, Y., Tsujimoto, Y., Suzumori, K., Nakamura, Y. Isolation, mapping, and functional analysis of a novel human cDNA (BNIP3L) encoding a protein homologous to human NIP3. Genes Chromosomes Cancer 21: 230-235, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4138825
NCBI GeneID	665
UniProt Accession #	O60238; Q5JW63; Q8NF87; B0AZS9
Molecular Weight	40 kDa
NCBI Official Full Name	Homo sapiens NIX (NIX) mRNA, nuclear gene encoding mitochondrial protein, complete cds
NCBI Official Synonym Full Names	BCL2/adenovirus E1B 19kDa 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; NIP3L; NIP3-like protein X; adenovirus E1B19k-binding protein B5; BCL2/adenovirus E1B 19-kd protein-interacting protein 3a; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3A
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
UniProt Entry Name	BNI3L_HUMAN

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-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127160>