

Rabbit anti-Human BNIP3L Polyclonal Antibody | anti-BNIP3L antibody

Anti-BNIP3L Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255586	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

BNIP3L; Polyclonal Antibody; Anti-BNIP3L Antibody; Rabbit Polyclonal; BNIP3L Antibody; Rabbit PAb; Antigen Affinity Purified; BCL2/adenovirus E1B 19kDa interacting protein 3-like; Anti-BNIP3a Antibody; Anti-NIX Antibody; anti-BNIP3L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human BNIP3L
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BNIP3L antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human BNIP3L Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human BNIP3L (rh BNIP3L). BNIP3L specific IgG was purified by Human BNIP3L affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

GP-BNIP3L was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-GP-BNIP3L rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-GP-BNIP3L rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 36 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human BNIP3L in human breast carcinoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human BNIP3L in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-BNIP3L rabbit polyclonal antibody at 1:200 dilution Lane A: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 37 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-BNIP3L antibody	The deletion of BNIP3L results in retention of mitochondria during lens fiber cell remodeling, and that deletion of BNIP3L also results in the retention of endoplasmic reticulum and Golgi apparatus. BNIP3L localizes to the endoplasmic reticulum and Golgi apparatus of wild-type newborn mouse lenses and is contained within mitochondria, endoplasmic reticulum and Golgi apparatus isolated from adult mouse liver. As the cells become packed with keratin bundles, Bnip3L expression triggers mitophagy to rid the cells of the last remaining 'living' characteristic, thus completing the march from 'living' to 'dead' within the hair follicle. during retinal development tissue hypoxia triggers HIF1A/HIF-1 stabilization, resulting in increased expression of the mitophagy receptor BNIP3L/NIX. BNIP3L-dependent mitophagy results in a metabolic shift toward glycolysis essential for RGC neurogenesis. BNIP3L could be a potential therapeutic target for ischemic stroke
References	Imazu T, et al. (1999) Bcl-2/E1B 19 kDa-interacting protein 3-like protein (Bnip3L) interacts with bcl-2/Bcl-xL and induces apoptosis by altering mitochondrial membrane permeability. <i>Oncogene</i> . 18(32): 4523-9. Sun JL, et al. (2004) Expression and structure of BNIP3L in lung cancer. <i>Ai Zheng</i> . 23(1): 8-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757860
NCBI GeneID	665
NCBI Accession #	NP_004322.1
NCBI GenBank Nucleotide #	NM_004331.2
UniProt Accession #	O60238; Q5JW63; Q8NF87; Q6IBV1; Q9H3K3
Molecular Weight	23,930 Da
NCBI Official Full Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like
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; OTTHUMP00000125280; OTTHUMP00000225446; OTTHUMP00000225447; OTTHUMP00000225448; OTTHUMP00000225568; NIP3-like protein X; adenovirus E1B19k-binding protein B5; BCL2/adenovirus E1B 19-kd
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	BNIP3L_HUMAN

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