

## Rabbit anti-Human Bnip3L Polyclonal Antibody | anti-BNIP3L antibody

Bnip3L Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA39277  | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

Bnip3L; Polyclonal Antibody; Bnip3L Antibody; NIX; BNIP3a; BNIP3A; BNIP3H; Adenovirus E1B19K-binding protein B5; NIP3L; BCL2/adenovirus E1B 19kDa interacting protein 3-like; anti-BNIP3L antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                              |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                   |
| Isotype                                          | IgG                                                                                                                                                                                                                                                          |
| Purity/Purification                              | Bnip3L Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                      | Liquid                                                                                                                                                                                                                                                       |
| Sequence Length                                  | 1337                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-BNIP3L antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                |
| Conjugate                                        | Unconjugated                                                                                                                                                                                                                                                 |
| Immunogen                                        | Bnip3L antibody was raised against a 16 amino acid peptide near the center of human Bnip3L.                                                                                                                                                                  |
| Buffer                                           | Bnip3L Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                          | Bnip3L antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



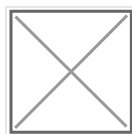
#### IF (Immunofluorescence)

Immunofluorescence of Bnip3L in Human Kidney tissue with Bnip3L antibody at 10 µg/mL.



#### IHC (Immunohistochemistry)

Immunohistochemical staining of human kidney tissue using Bnip3L antibody at 2 µg/mL.



#### WB (Western Blot)

Western blot analysis of Bnip3L in K562 whole cell lysate in (A) the absence, or (B) presence of immunogenic peptide with Bnip3L antibody at 1 µg/mL.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for anti-BNIP3L antibody | <p>           Bnip3L Antibody: Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, Hrk, Nip3, and Bim, form a growing subclass of the Bcl-2 family. A novel BH3 domain containing protein was recently identified and designated Bnip3L, Bnip3alpha, and Nix (for Nip3-like protein X). Bnip3L/Bnip3alpha/Nix is a homolog of the E1B 19K/Bcl-2 binding and pro-apoptotic protein Bnip3. Overexpression of Bnip3L induces apoptosis. Bnip3L interacts with and overcomes suppresses by Bcl-2 and Bcl-xL. Bnip3L is localized in mitochondria. The messenger RNA of Bnip3L is ubiquitously expressed in human tissues. Bnip3L and Bnip3 form a new subfamily of the pro-apoptotic mitochondrial proteins.         </p> |
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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               | BNIP3L_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.