

## ARG44042 anti-Bnip 3L antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes Bnip 3L   |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | ICC/IF, IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | Bnip 3L   |
| Species             | Human   |
| Immunogen           | Recombinant fusion protein containing a sequence corresponding to amino acids 95-180 of human BNIP3L (NP_004322.1).   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | NIP3L; BNIP3a; Adenovirus E1B19K-binding protein B5; NIP3-like protein X; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3A; NIX; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like |

### Application Instructions

| Application table | Application | Dilution       |
|-------------------|-------------|----------------|
|                   | ICC/IF      | 1:50 - 1:200   |
|                   | IHC-P       | 1:50 - 1:200   |
|                   | WB          | 1:500 - 1:1000 |

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

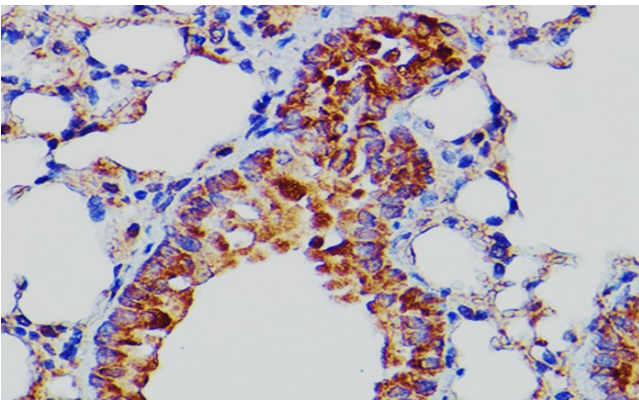
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.01% Thimerosal and 50% Glycerol.  |
| Preservative        | 0.01% Thimerosal  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

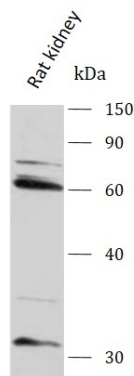
|                |   |
|----------------|---|
| Gene Symbol    | BNIP3L  |
| Gene Full Name | BCL2/adenovirus E1B 19kDa interacting protein 3-like  |
| Background     | A novel BH3 domain-containing protein was recently identified and designated Bnip3L, Bnip3 , or Nix. Bnip3L is a homolog of the E1B 19K/Bcl-2 binding and pro-apoptotic protein Bnip3. Overexpression of Bnip3L induces apoptosis. Bnip3L interacts with and overcomes suppression 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.   |
| 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 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. May function as a tumor suppressor. [UniProt] |
| Research Area  | Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody  |
| Calculated Mw  | 24 kDa  |
| PTM            | Undergoes progressive proteolysis to an 11 kDa C-terminal fragment, which is blocked by the proteasome inhibitor lactacystin.   |

## Images



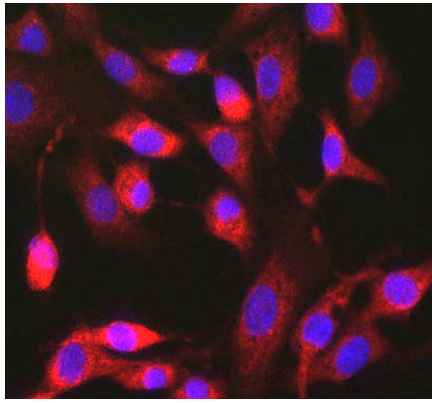
ARG44042 anti-Bnip 3L antibody IHC-P image

Immunohistochemistry: Mouse lung stained with ARG44042 anti-Bnip 3L antibody at 1:100 dilution.



ARG44042 anti-Bnip 3L antibody WB image

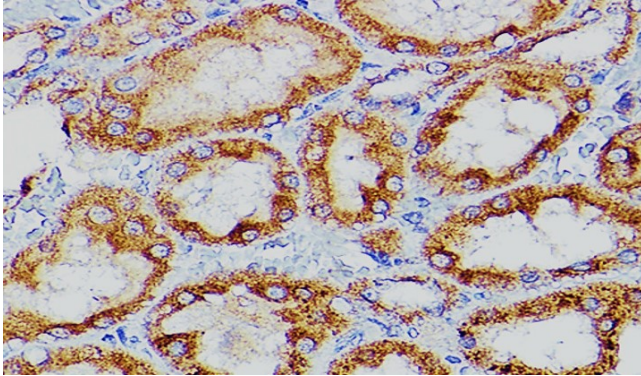
Western blot: Rat kidney stained with ARG44042 anti-Bnip 3L antibody at 1:1000 dilution.



ARG44042 anti-Bnip 3L antibody ICC/IF image

Immunofluorescence: NIH/3T3 stained with ARG44042 anti-Bnip 3L antibody at 1:100 dilution.

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ARG44042 anti-Bnip 3L antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44042 anti-Bnip 3L antibody at 1:100 dilution.

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