

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.

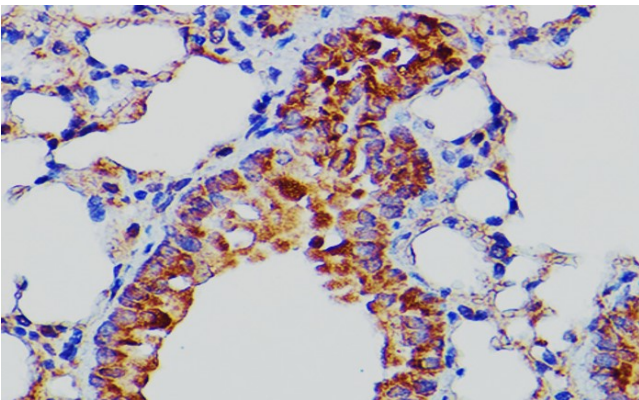
Properties

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

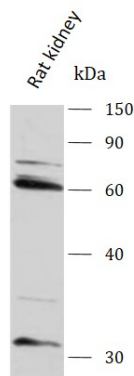
Gene Symbol	BNIP3L
Gene Full Name	BCL2/adenovirus E1B 19kDa interacting protein 3-like
Background	A novel BH3 domain-containing protein was recently identified and designated Bnip3L, Bnip3 , or Nix. Bnip3L is a homolog of the E1B 19K/Bcl-2 binding and pro-apoptotic protein Bnip3. Overexpression of Bnip3L 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



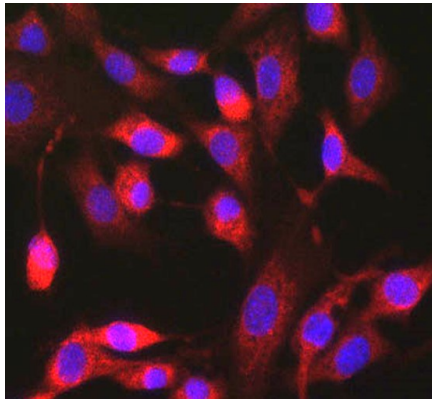
ARG44042 anti-Bnip 3L antibody IHC-P image

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



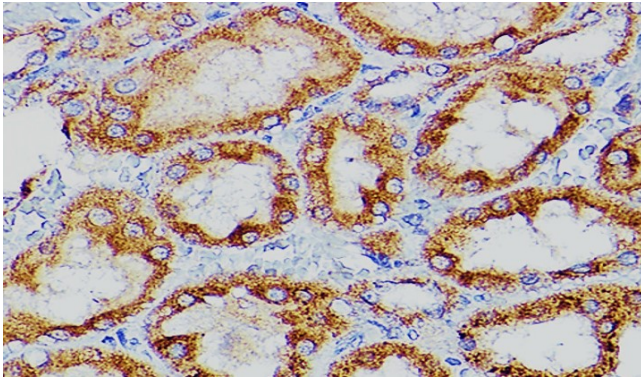
ARG44042 anti-Bnip 3L antibody WB image

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.



ARG44042 anti-Bnip 3L antibody IHC-P image

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