

Datasheet for ABIN6990342

anti-BNIP3L/NIX antibody (AA 60-110)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	BNIP3L/NIX (BNIP3L)
Binding Specificity:	AA 60-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNIP3L/NIX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Bnip3L antibody was raised against a 16 amino acid peptide near the center of human Bnip3L. The immunogen is located within amino acids 60 - 110 of Bnip3L.
Isotype:	IgG
Specificity:	At least two isoforms of Bnip3L are known to exist.
Purification:	Bnip3L Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	BNIP3L/NIX (BNIP3L)
Alternative Name:	Bnip3L (BNIP3L Products)

Target Details

Background:	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.
Molecular Weight:	Predicted: 24 kDa Observed: 36, 40 kDa
Gene ID:	665
NCBI Accession:	NP_004322
UniProt:	O60238
Pathways:	Autophagy

Application Details

Application Notes:	Bnip3L antibody can be used for detection of Bnip3L by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 10 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Bnip3L Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	Bnip3L antibody can be stored at 4°C for three months and -20°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.