Datasheet for ABIN7603024

anti-BNIP3L/NIX antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	BNIP3L/NIX (BNIP3L)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNIP3L/NIX antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-BNIP3L Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human BNIP3L, identical to the related mouse sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-BNIP3L Antibody Picoband® (ABIN7603024). Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	BNIP3L/NIX (BNIP3L)
Alternative Name:	BNIP3L (BNIP3L Products)
Background:	Synonyms: BNIP3L, BNIP3A, BNIP3H, NIX, BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like, Adenovirus E1B19K-binding protein B5, BCL2/adenovirus E1B 19 kDa protein-interacting protein 3A, NIP3-like protein X, NIP3L Background: BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like is a protein that in humans is encoded by the BNIP3L gene. This gene encodes a protein that belongs to the pro-apoptotic subfamily within the Bcl-2 family of proteins. The encoded protein binds to Bcl-2 and possesses the BH3 domain. The protein directly targets mitochondria and causes apoptotic changes, including loss of membrane potential and the release of cytochrome c.
Molecular Weight:	35 kDa
Gene ID:	665
UniProt:	O60238
Pathways:	Autophagy

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Chen, G., Cizeau, J., Vande Velde, C., Park, J. H., Bozek, G., Bolton, J., Shi, L., Dubik, D., Greenberg, A. Nix and nip3 form a subfamily of pro-apoptotic mitochondrial proteins. J. Biol. Chem. 274: 7-10, 1999. 2. Gao, F., Chen, D., Si, J., Hu, Q., Qin, Z., Fang, M., Wang, G. The mitochondrial protein BNIP3L is the substrate of PARK2 and mediates mitophagy in PINK1/PARK2 pathway. Hum. Molec. Genet. 24: 2528-2538, 2015. 3. Matsushima, M., Fujiwara, T., Takahashi, E., Minaguchi, T., Eguchi, Y., Tsujimoto, Y., Suzumori, K., Nakamura, Y. Isolation, mapping, and functional analysis of a novel human cDNA (BNIP3L) encoding a protein homologous to human NIP3. Genes Chromosomes Cancer 21: 230-235, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.