

Product datasheet for **TA336844**

BNIP3L Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC
Recommended Dilution:	Immunohistochemistry: 1:300, Immunocytochemistry/ Immunofluorescence: 1:100-1:1000, Immunohistochemistry-Paraffin: 1:300
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to an internal portion of the human BNIP3L protein (between residues 50-100) [UniProt O60238]
Formulation:	PBS with 30% Glycerol, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	BCL2/adenovirus E1B 19kDa interacting protein 3-like
Database Link:	NP_004322 Entrez Gene 12177 Mouse Entrez Gene 665 Human O60238



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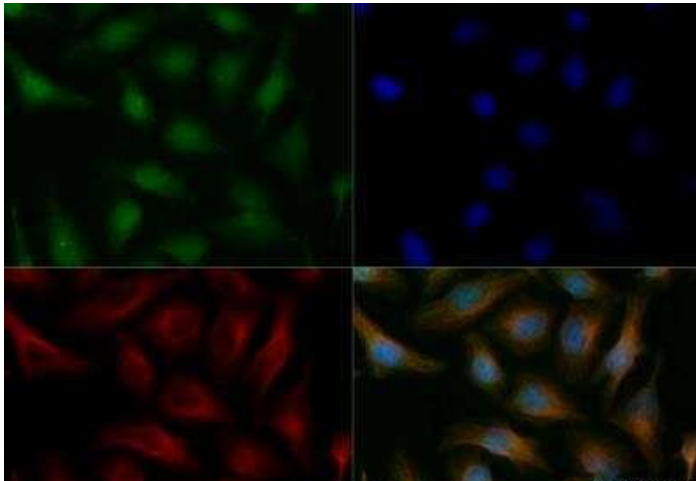
Background: BNIP3L/NIX is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family, which is involved in the regulation of apoptosis. Like other BH3-only proteins, NIX is believed to possess tumor suppressing functions; NIX localizes to the mitochondria and interacts with BCL2 and BCL-X in a pro-apoptotic manner. NIX shares a high level of sequence homology with BNIP3, and like BNIP3 activates apoptosis through its C-terminal transmembrane domain but not via its BH3 domain. Hypoxia is believed to be a principle regulator of NIX activity, making NIX a key factor in hypoxia-induced tumor cell death and heart disease. In addition, NIX has been implicated in mitophagy, a specific form of autophagy; due to its dual role, NIX is an interesting target to examine the relationship between apoptosis and autophagy.

Synonyms: BNIP3a; NIX

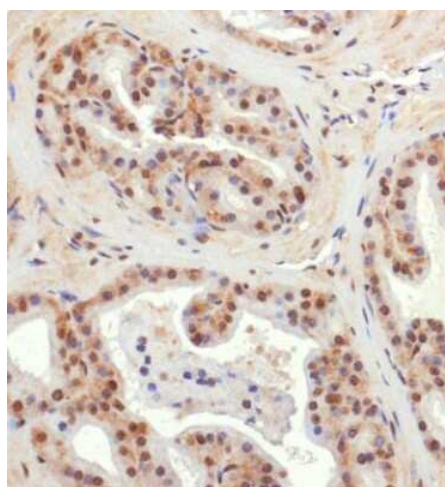
Note: This BNIP3L antibody is useful for Immunocytochemistry/Immunofluorescence and Immunohistochemistry-Paraffin. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

Protein Families: Druggable Genome, Transmembrane

Product images:



Immunocytochemistry/Immunofluorescence: BNIP3L Antibody TA336844 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-BNIP3L (TA336844) at a 1:200 dilution overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin was used as a co-stain at a 1:1000 dilution and detected with and anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry: BNIP3L Antibody
TA336844 - Analysis of BNIP3L in mouse prostate
using DAB with hematoxylin counterstain.