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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-BNIP3 Antibody

Rabbit Anti-Human BNIP3 Polyclonal
Catalog No. SPC-685



Discovery through partnership | Excellence through quality

Overview

Product Name

BNIP3 Antibody

Description

Rabbit Anti-Human BNIP3 Polyclonal

Species Reactivity

Human, Mouse

Applications

WB, ICC/IF

Antibody Dilution

WB (1:1000); ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Human

Immunogen

Synthetic peptide from the C-terminal of human BNIP3

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Peptide Affinity Purified

Clonality

Polyclonal

Specificity

Predicted molecular weight at ~21.5kDa. Observed bands at ~20-30kDa and 50-60kDa due to the homodimer complex of BNIP3.

Cite This Product

Rabbit Anti-Human BNIP3 Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-685)

Certificate Of Analysis

A 1:1000 dilution of SPC-685 was sufficient for detection of BNIP3 on mouse kidney lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

NIP3 Antibody, BCL2 Adenovirus E1B 19kDa Interacting Protein 3 Antibody, BNIP3_Human Antibody

Research Areas

Cancer, Apoptosis, Cardiovascular System, Heart

Cellular Localization

Mitochondrion, Mitochondrion outer membrane

Accession Number

NP_004043.3

Gene ID

664

Swiss Prot

Q12983

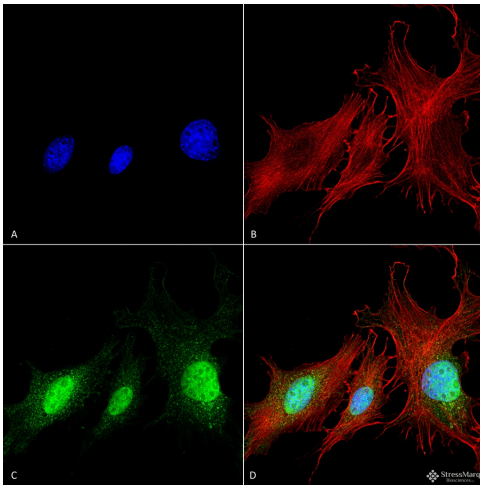
Scientific Background

BNIP3 is an apoptosis-inducing protein which can overcome BCL2 suppression. It may play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2. It has been shown to interact with CD47, BCL2-like, and BCL-2 (1-3).

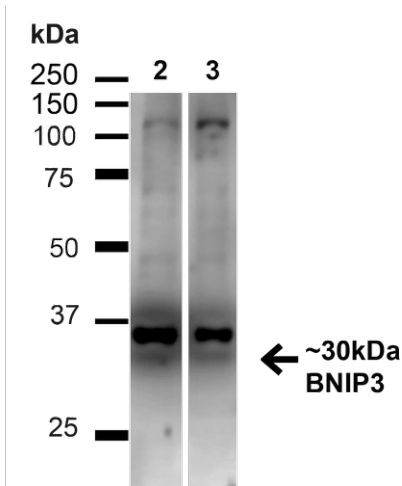
References

1. Boyd J.M., et al. (1994) Cell. 79(2): 341-351.
 2. Lamy L., et al. (2003) J Biol Chem. 278(26): 23915-23921.
 3. Ray R., et al. (2000) J Biol Chem. 275(2): 1439-1448.
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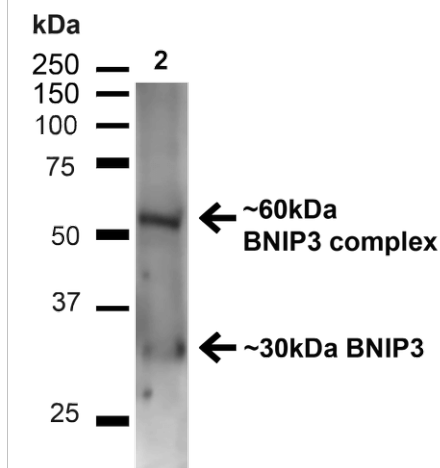
Product Images



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685). Tissue: Fibroblast cell line (NIH 3T3). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cytoplasm . Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) BNIP3 Antibody (D) Composite.



Western blot analysis of Human HeLa_293T showing detection of ~30kDa BNIP3 protein using Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685). Lane 1: MW Ladder. Lane 2: Human HeLa (20 µg). Lane 3: Human 293T (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~30kDa .



Western blot analysis of Mouse Kidney showing detection of ~30kDa BNIP3 protein using Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685). Lane 1: MW Ladder. Lane 2: Mouse Kidney (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-BNIP3 Polyclonal Antibody (SPC-685) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~30kDa . Other Band(s): ~60kDa (BNIP3 complex).

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.