

BNIP3 Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 2290

Format: 100ug (1mg/ml) peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.

BACKGROUND

BNIP3 is a member of the apoptotic Bcl-2 protein family that is involved in both necrosis and apoptosis. Humans and other animals, as well as lower eukaryotes, encode several BNIP3 paralogues including human BNIP3L which induces apoptosis by interacting with viral and cellular anti-apoptosis proteins. BNIP3 interacts with the E1B 19kDa protein, which is responsible for the protection of virally induced cell death, as well as with E1B-like sequences of BCL2 which is also an apoptotic protector. The *BNIP3* gene contains a BH3 domain and a transmembrane domain that have been associated with pro-apoptotic function. The dimeric mitochondrial protein encoded by the *BNIP3* gene is known to induce apoptosis, even in the presence of BCL2.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to amino acids at the C-terminus of human BNIP3.

Accession no.: NP_004043.3, Q12983

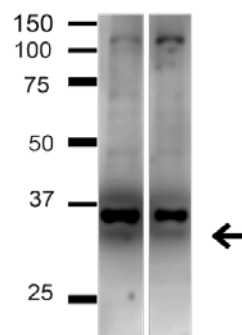
Gene ID: 664

Host Species: Rabbit

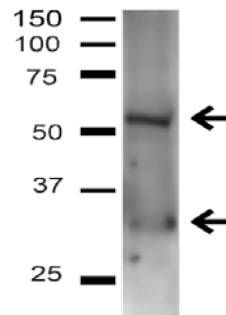
Specificity: This antibody recognizes human and mouse BNIP3.

APPLICATIONS

Immunoblotting: use at 1ug/ml. A band of ~30kDa is detected; an additional ~60kDa band, complexed BNIP3, may also be detected.

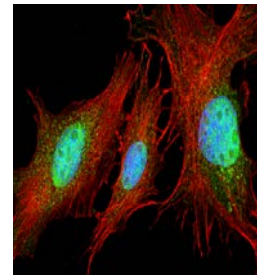


Detection of BNIP3 in HeLa (left) and 293T (right) cell lysates with #2290 at 1ug/ml.



Detection of BNIP3 and complexed BNIP3 in mouse kidney lysate with #2290 at 1ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of BNIP3 in formalin-fixed NIH 3T3 cells with #2290 at 10ug/ml. DAPI (blue) nuclear stain, Texas red actin stain, and FITC (green) BNIP3 stain.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.