

NIP3 / BNIP3 Antibody

Catalog No: #48322

Package Size: #48322-1 50ul #48322-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	NIP3 / BNIP3 Antibody
Host Species	Goat
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Other Names	BCL2 Adenovirus E1B 19kDa Interacting Protein 3 antibody BCL2/adenovirus E1B 19 kDa protein interacting protein 3 antibody BCL2/adenovirus E1B 19 kDa protein-interacting protein 3 antibody BNIP 3 antibody BNIP3 antibody BNIP3_HUMAN antibody NIP 3 antibody NIP3 antibody
Accession No.	Swiss-Prot#:Q12983
Uniprot	Q12983
GeneID	664;
Calculated MW	22kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:100-1:1,000

Background

The adenovirus E1B protein is a viral homolog of the Bcl-2 family of proteins that are involved in regulating cell death. A family of interacting proteins, which are designated Nip or Bnip and include BNIP-1, BNIP-2, BNIP-3 and Nix, associate with both the E1B protein and Bcl-2 proteins to mediate apoptotic signaling. BNIP-1 contains a hydrophobic transmembrane domain, which enables its localization to the nuclear envelope, endoplasmic reticulum and mitochondria. BNIP-2, (previously designated Nip2 and Nip21 in human and mouse respectively), shares homology with the non-catalytic domain of Cdc42 GTPase-activating protein (Cdc42GAP). Through binding to Cdc42GAP, BNIP-2 enhances the GTPase activity of Cdc42GAP, facilitating the hydrolysis of GTP bound to Cdc42 and thereby, mediating the signaling pathways involving receptor kinases, small GTPases and apoptotic proteins. Nix, which is also designated Nip3L or Bnip3L, is highly related to BNIP-3, and both proteins localize to the mitochondria where they associate with Bcl-2 proteins. BNIP-3 preferentially binds to Bcl-xL and induces apoptosis by suppressing the antiapoptosis activity of Bcl-xL.

References

Note: This product is for in vitro research use only