

Product datasheet for **TA302077**

BNIP3L Rabbit Polyclonal Antibody

Product data:

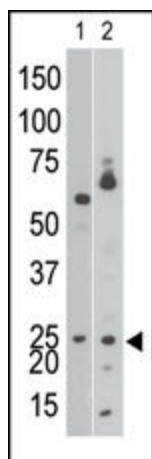
Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	IF: 1:50~100, WB: 1:1000, IHC: 1:50~100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This BNIP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-187 amino acids from human BNIP3.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21541 Da
Gene Name:	BCL2/adenovirus E1B 19kDa interacting protein 3-like
Database Link:	NP_004322 Entrez Gene 12177 Mouse Entrez Gene 665 Human O60238
Background:	NIP3 is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein which is responsible for the protection of virally-induced cell death, as well as E1B 19 kDa-like sequences of BCL2, also an apoptotic protector. NIP3 contains a BH3 domain and a transmembrane domain, which have been associated with pro-apoptotic function. The dimeric mitochondrial protein is known to induce apoptosis, even in the presence of BCL2.
Synonyms:	BNIP3a; NIX



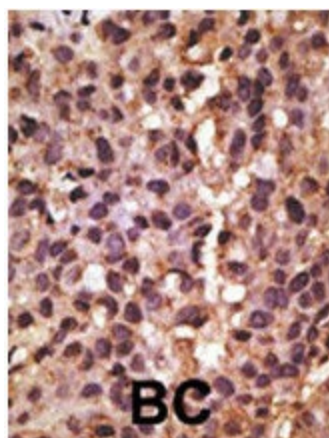
[View online »](#)

Protein Families: Druggable Genome, Transmembrane

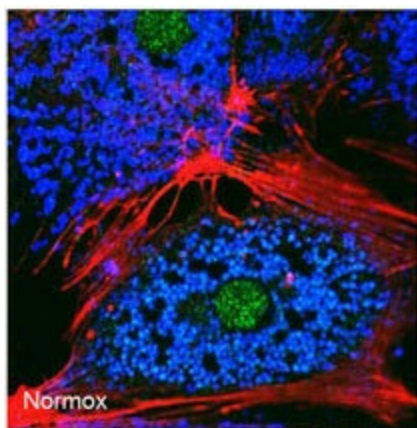
Product images:



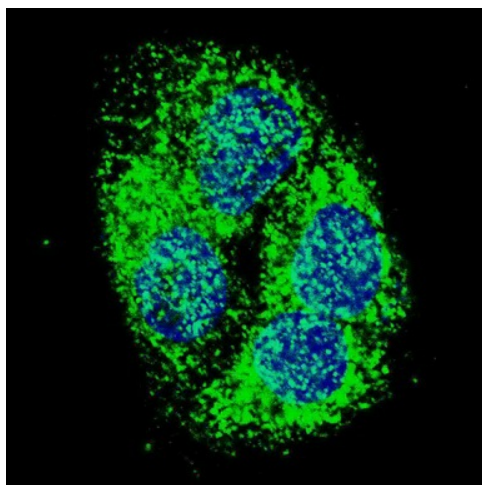
The anti-NIP3 BH3 domain Pab (Cat. #TA302077) is used in Western blot to detect NIP3 BH3 in Ramos cell lysate (lane 1) and in mouse brain tissue lysate (lane 2).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Freshly isolated mouse hepatocytes plated on coverslips (2×10^5 cells/22-mm glass coverslip) were cultured under normoxic conditions for 6 hr. The cells were then fixed in 2% paraformaldehyde in PBS for 1 hr, and processed for confocal immunofluorescence (red: F-actin, blue: ATP-synthase, green: BNIP3). Fluorescence labeling of BNIP3 accomplished with anti-BNIP3 antibody TA302077. Data courtesy of Ruben Zamora, University of Pittsburgh.



IF image of HepG2 cells stained with BNIP3 (BH3 Domain Specific) antibody. HepG2 cells were incubated with TA302077 BNIP3 (BH3 Domain Specific) primary antibody (1:500, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1 h). Nuclei were counterstained with Hoechst 33342 (blue). BNIP3 immunoreactivity is localized to the cytoplasm of HepG2 cells.