

Product datasheet for **TA302077S**

BNIP3L Rabbit Polyclonal Antibody

Product data:

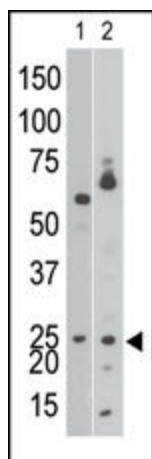
Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	IF: 1:50~100, WB: 1:1000, IHC: 1:50~100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This BNIP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide 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



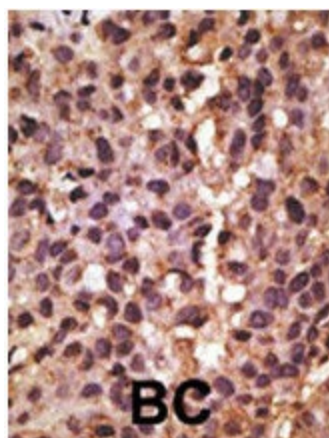
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Protein Families: Druggable Genome, Transmembrane

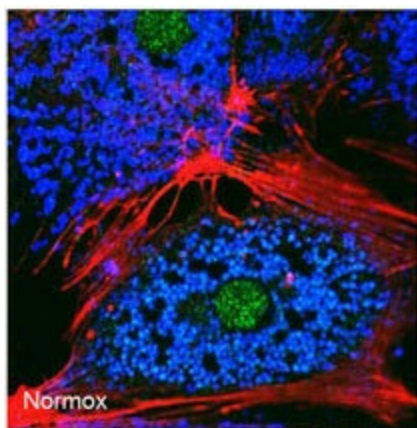
Product images:



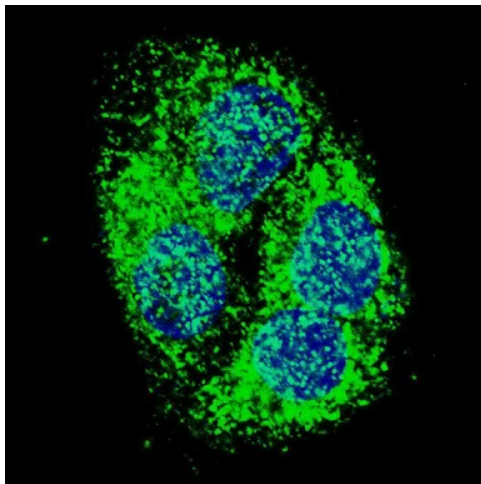
The anti-NIP3 BH3 domain Pab (Cat. #[TA302077]) is used in Western blot to detect NIP3 BH3 in Ramos cell lysate (lane 1) and in mouse brain tissue lysate (lane 2).



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.