

Datasheet for ABIN3030151
anti-BNIP3 antibody (AA 152-187)[Go to Product page](#)

6 Images

Overview

Quantity:	0.4 mL
Target:	BNIP3
Binding Specificity:	AA 152-187
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNIP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 152-187 from the human protein (BH3 domain) was used as the immunogen for this BNIP3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	BNIP3
Alternative Name:	BNIP3 (BNIP3 Products)
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

Target Details

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.

UniProt: [Q12983](#)

Pathways: [Autophagy](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: Titration of the BNIP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:50-1:100,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

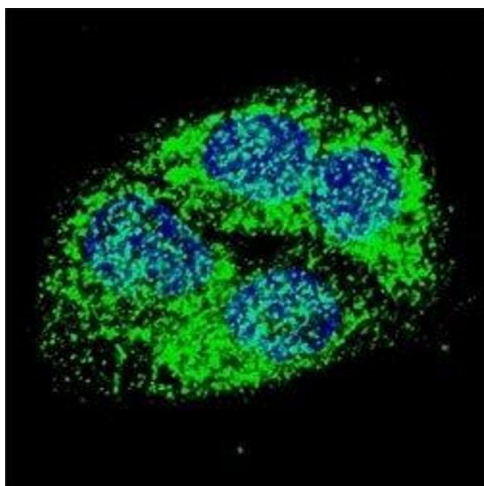
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

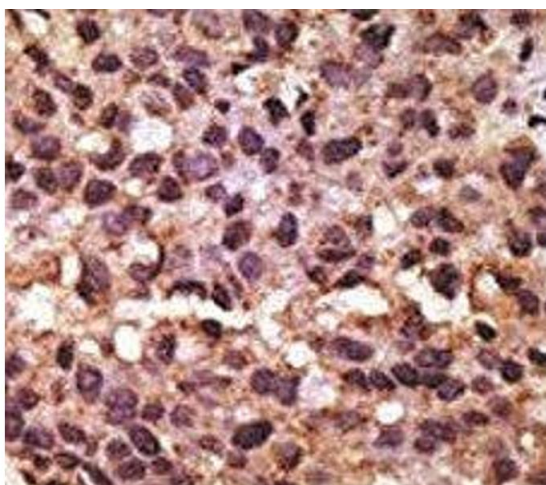
Storage: -20 °C

Storage Comment: Aliquot the BNIP3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunofluorescence

Image 1. Fluorescent confocal image of HepG2 cells stained with BNIP3 antibody at 1:50. BNIP3 immunoreactivity is localized to the cytoplasm of HepG2 cells.



Immunohistochemistry

Image 2. IHC analysis of FFPE human breast carcinoma tissue stained with the BNIP3 antibody

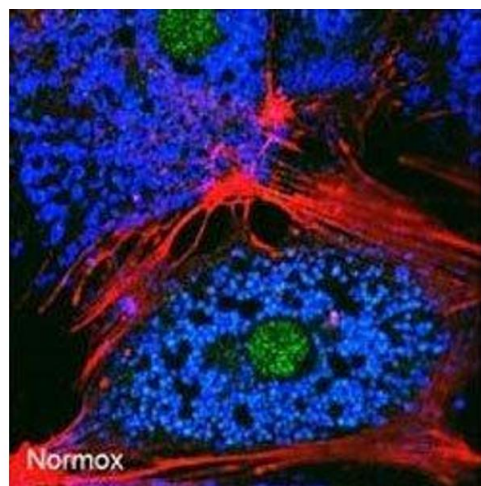


Image 3. Freshly isolated mouse hepatocytes were cultured under normoxic conditions for 6 hr. and stained with BNIP3 antibody; Red: F-actin, Blue: ATP-synthase, Green: BNIP3. (Courtesy of Ruben Zamora, University of Pittsburgh.)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3030151.