

Product datasheet

Anti-BNIP3 antibody ab38621

13 References 4 Images

Overview

Product name	Anti-BNIP3 antibody
Description	Rabbit polyclonal to BNIP3
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	KLH conjugated synthetic peptide, selected from within aa 1-100 (BH3 domain) of human NIP3.
Positive control	Mouse brain tissue lysate and Ramos cell lysate, breast carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab38621** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

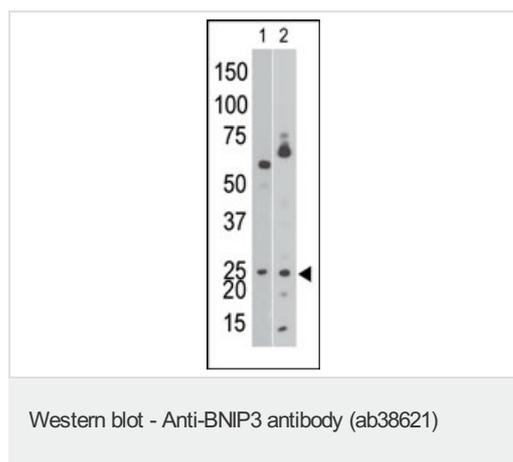
Application	Abreviews	Notes
WB		1/100 - 1/500. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa).
ELISA		1/1000.
ICC/IF		Use a concentration of 1 - 5 µg/ml.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.

Target

Function	Apoptosis-inducing protein that, which can overcome BCL2 suppression. May play a role in repartitioning calcium between the two major intracellular calcium stores in association with BCL2.
Sequence similarities	Belongs to the NIP3 family.
Cellular localization	Mitochondrion. Mitochondrion membrane. Coexpression with the EIB 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria.

Images



All lanes : Anti-BNIP3 antibody (ab38621) at 1/100 dilution

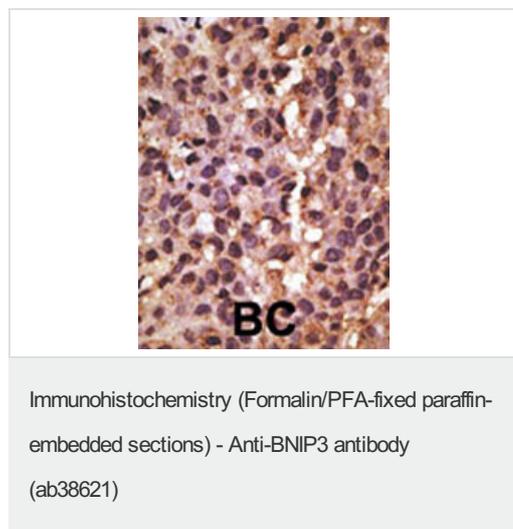
Lane 1 : Ramos cell lysate

Lane 2 : Mouse brain tissue lysate

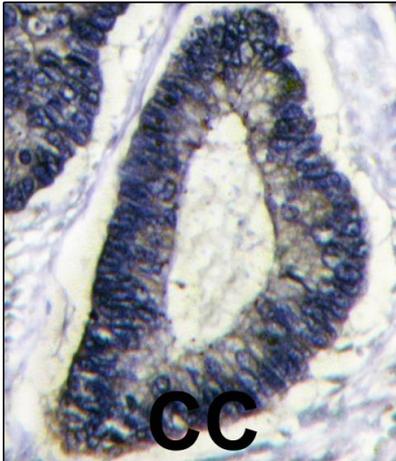
Predicted band size: 22 kDa

Observed band size: 22 kDa

Additional bands at: 15 kDa, 60 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

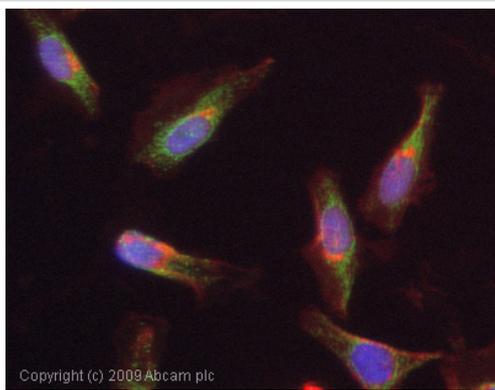


This image shows human breast carcinoma stained with ab38621 at 1/50 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BNIP3 antibody (ab38621)

This image shows human colon carcinoma stained with ab38621 at 5ug/200ul dilution.



Immunocytochemistry/ Immunofluorescence - Anti-BNIP3 antibody (ab38621)

ICC/IF image of ab38621 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab38621, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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