abcam

Product datasheet

Anti-BNIP3L/NIX antibody [EPR4033] ab109414

Recombinant RabMAb

★★★★★ **1 Abreviews**   **11 References**   3 Images

Overview

Product name	Anti-BNIP3L/NIX antibody [EPR4033]
Description	Rabbit monoclonal [EPR4033] to BNIP3L/NIX
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
	Unsuitable for: Flow Cyt,ICC/IF or IP
Species reactivity	**Reacts with:** Human
	Predicted to work with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Raji and K562 cell lysates; Human breast carcinoma tissue
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20
	Preservative: 0.01% Sodium azide
	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4033

| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109414 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)	1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 24 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. antigen retrieval is recommended.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IP.

Target

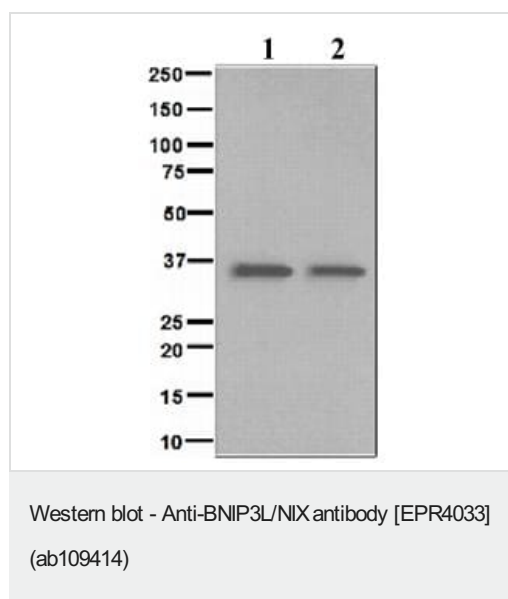| **Function**	Induces apoptosis. Interacts with viral and cellular anti-apoptosis proteins. Can overcome the suppressors BCL-2 and BCL-XL, although high levels of BCL-XL expression will inhibit apoptosis. May function as a tumor suppressor. Inhibits apoptosis induced by BNIP3.
Sequence similarities	Belongs to the NIP3 family.
Post-translational modifications	Undergoes progressive proteolysis to an 11 kDa C-terminal fragment, which is blocked by the proteasome inhibitor lactacystin.
Cellular localization	Nucleus envelope. Endoplasmic reticulum. Mitochondrion. Membrane.

Images

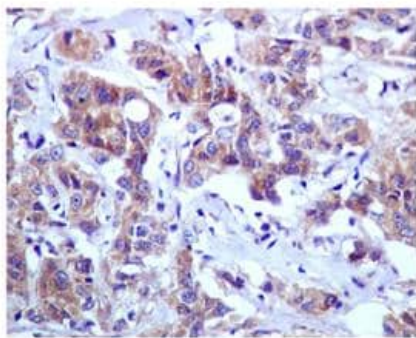**All lanes :** Anti-BNIP3L/NIX antibody [EPR4033] (ab109414) at 1/1000 dilution

Lane 1 : Raji cell lysate
Lane 2 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 24 kDa
Observed band size: 35 kDa

Western blot - Anti-BNIP3L/NIX antibody [EPR4033] (ab109414)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 1/100 ab109414

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BNIP3L/NIX antibody [EPR4033] (ab109414)

Anti-BNIP3L/NIX antibody [EPR4033] (ab109414)

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