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Datasheet for ABIN542828 anti-BNIP3 antibody (AA 215-252)

3 Images

1 Publication



Overview

Quantity:	400 µL
Target:	BNIP3
Binding Specificity:	AA 215-252
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNIP3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of BNIP3 (BH3 Domain Specific).
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to amino acids 215-252 of human BNIP3.
Specificity:	BH3 Domain Specific
Cross-Reactivity:	Human, Mouse
Target Details	
Target:	BNIP3
Alternative Name:	BNIP3 (BNIP3 Products)

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Target Details

Gene ID:	664
Pathways:	Autophagy, Brown Fat Cell Differentiation

Application Details

Application Notes:	Western Blot (1:1000)
	Immunohistochemistry (1:50-100)
	Immunofluorescence (1:50-100)
	The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In PBS (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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 2 weeks. For long term storage store at -20°C.
	Aliquot to avoid repeated freezing and thawing.
Publications	
Product cited in:	Metukuri, Beer-Stolz, Namas, Dhupar, Torres, Loughran, Jefferson, Tsung, Billiar, Vodovotz,
	Zamora: "Expression and subcellular localization of BNIP3 in hypoxic hepatocytes and liver

Issue 3, pp. G499-509, (2009) (PubMed).

stress." in: American journal of physiology. Gastrointestinal and liver physiology, Vol. 296,







Image 1. Freshly isolated mouse hepatocytes plated on coverslips (2 X10 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 BNIP3 polyclonal antibody . Data courtesy of Ruben Zamora, University of Pittsburgh.

Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with BNIP3 polyclonal 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.

Western Blotting

Image 3. The BNIP3 polyclonal antibody is used in Western blot to detect BNIP3 in Ramos cell lysate (lane 1) and in mouse brain tissue lysate (lane 2).

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