

## Anti-NIP3/BNIP3 Rabbit pAb



WL01139

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-NIP3/BNIP3 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

## Background

BNIP3 (Bcl-2/E1B-19kDa interacting protein 3) is a pro-apoptotic mitochondrial protein and Bcl-2 family member that contains a Bcl-2 homology 3 (BH3) domain and a carboxyl terminal transmembrane (TM) domain. BNIP3 associates with anti-apoptotic family members Bcl-2, Bcl-xL, and the adenovirus homologue E1B-19kDa. BNIP3 is distinct from other Bcl-2 family members that contain only the BH3 domain in that the TM domain, and not the BH3 domain, is required for mitochondrial targeting and pro-apoptotic activity. Increased expression of BNIP3 under hypoxic conditions is mainly regulated by the transcription factor HIF-1α. Silencing of the BNIP3 promoter by methylation has been observed in several types of cancer cells and may play an important role in their survival.

## Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NIP3/BNIP3.

## Purification

Polyclonal antibody was purified by protein A affinity chromatography.

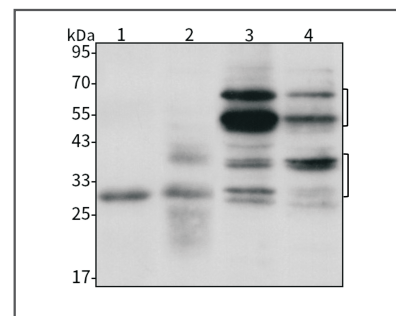
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## Product Images



Western blot-Anti-NIP3/BNIP3 pAb

Lane 1: Mouse kidney tissue lysate

Lane 2: Rat spleen tissue lysate

Lane 3: Human MDA-MB-231 cell lysate

Lane 4: Human A549 cell lysate

All lanes: Anti-NIP3/BNIP3 at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 22 kDa

Observed band size: 22-30 kDa, 50-60 kDa