

Anti-NIP3/BNIP3 Rabbit pAb



WL01139

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-NIP3/BNIP3 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	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.

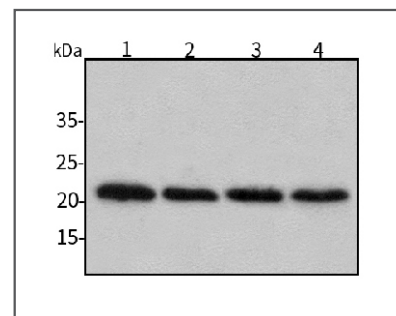
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Product Images



Western blot-Anti-NIP3/BNIP3 pAb

Lane 1: Human HepG2 cell lysate

Lane 2: Human Hela cell lysate

Lane 3: Human BGC-823 cell lysate

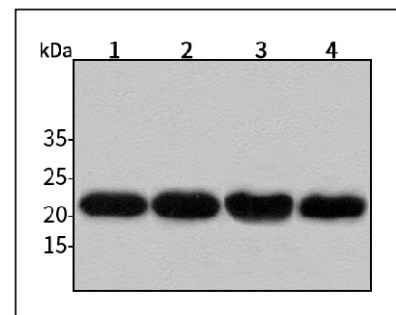
Lane 4: Human MGC-803 cell lysate

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 kDa



Western blot-Anti-NIP3/BNIP3 pAb

Lane 1: Mouse kidney tissue lysate

Lane 2: Mouse heart tissue lysate

Lane 3: Rat liver tissue lysate

Lane 4: Rat brain tissue 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 kDa