



BNIP-3 Rabbit mAb

Catalog No	YP-rAb-17460
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	BNIP3
Protein Name	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	BNIP3 ; NIP3 ; BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
Observed Band	22-28kD,50-55kD
Calculated Molecular Weight	22kD
Cell Pathway	Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein. Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria. Colocalizes with SPATA18 at the mitochondrion outer membrane.
Tissue Specificity	B-cell,Brain,Cerebellum,Kidney,Testis,
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.,similarity:Belongs to the NIP3 family.,subcellular location:Coexpression with the E1B 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope.,subunit:Homodimer. Binds to BCL2. Interacts with BNIP3L. Also can interact with adenovirus E1B 19 kDa protein or Epstein-Barr virus BHRF1.,
Background	This gene is encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in





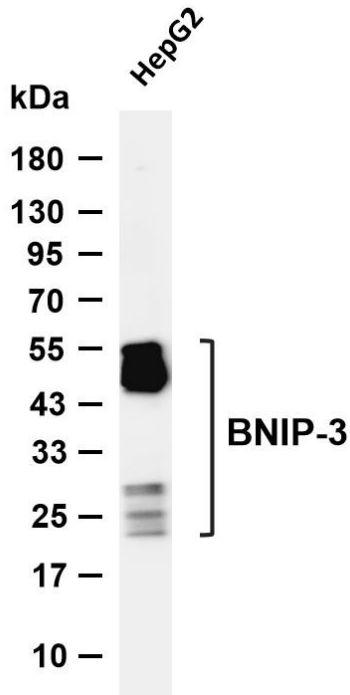
tumors by DNA methylation. [provided by RefSeq, Dec 2014],

matters needing attention

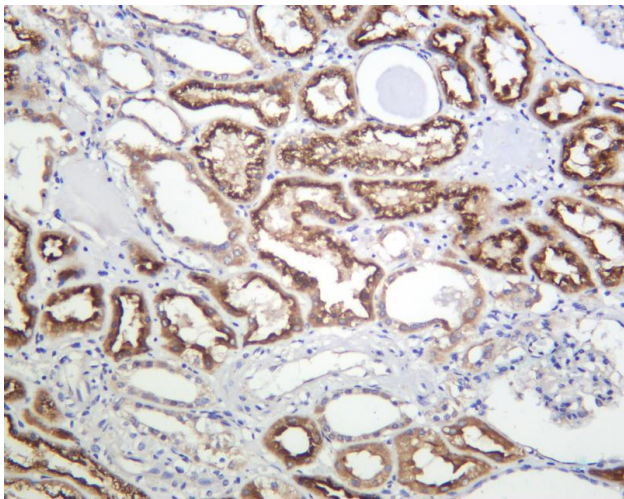
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-BNIP-3 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HepG2 Predicted band size: 22kDa Observed band size: 22-28,50-55kDa



Human kidney was stained with anti-BNIP-3 Rabbit antibody

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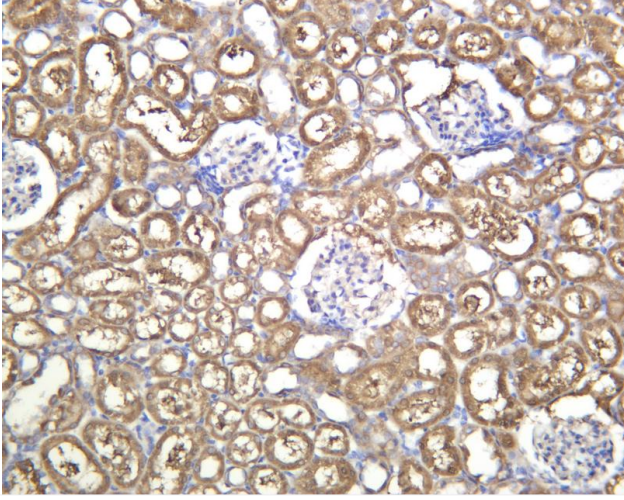
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Rat kidney was stained with anti-BNIP-3 Rabbit antibody

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