



BNIP-3 Polyclonal Antibody

Catalog No	YP-Ab-00564
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	BNIP3
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human BNIP3. AA range:71-120
Specificity	BNIP-3 Polyclonal Antibody detects endogenous levels of BNIP-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NIP3;HABON;BNIP3;BNIP-3;BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
Observed Band	22kD
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	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

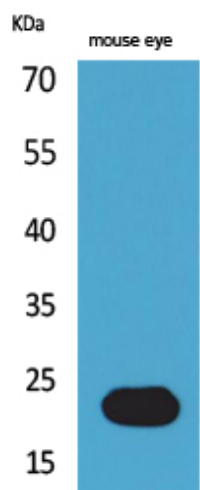
Avoid repeated freezing and thawing!

Usage suggestions

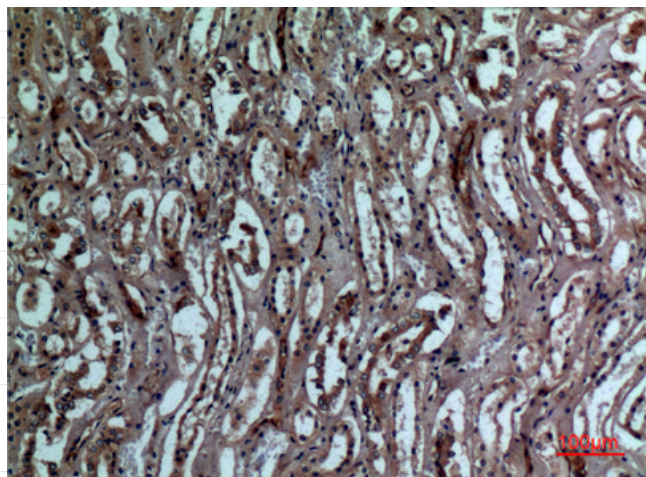
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



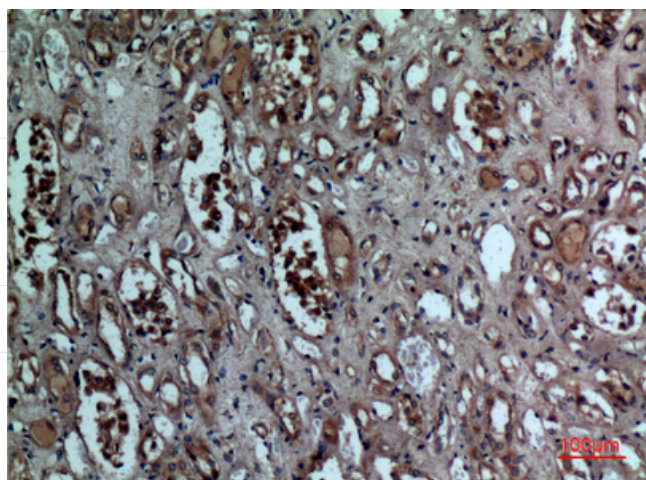
Products Images



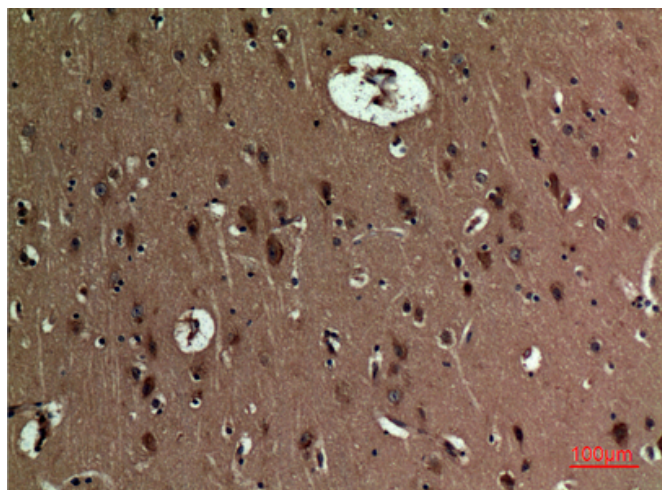
Western Blot analysis of mouse eye cells using BNIP-3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



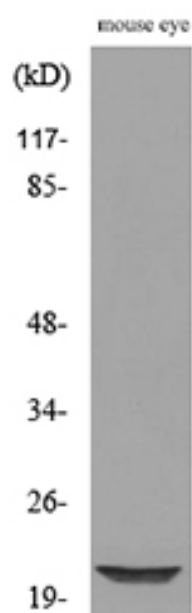
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100



Western blot analysis of lysate from mouse eye cells, using BNIP3 Antibody.