

BNIP-3 Polyclonal Antibody

Catalog No :	YT5154
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	BNIP-3
Fields :	>>FoxO signaling pathway;>>Mitophagy - animal;>>Autophagy - animal;>>Shigellosis;>>Legionellosis
Gene Name :	BNIP3
Protein Name :	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3
Human Gene Id :	664
Human Swiss Prot No :	Q12983
Mouse Swiss Prot No :	O55003
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
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 22kD

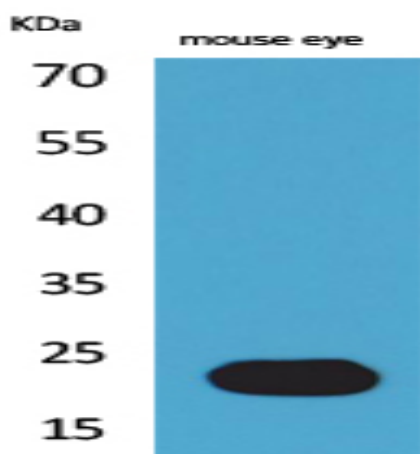
Background : This gene encodes a mitochondrial protein that contains a BH3 domain and acts as a pro-apoptotic factor. The encoded protein interacts with anti-apoptotic proteins, including the E1B 19 kDa protein and Bcl2. This gene is silenced in tumors by DNA methylation. [provided by RefSeq, Dec 2014],

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 EIB 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.,

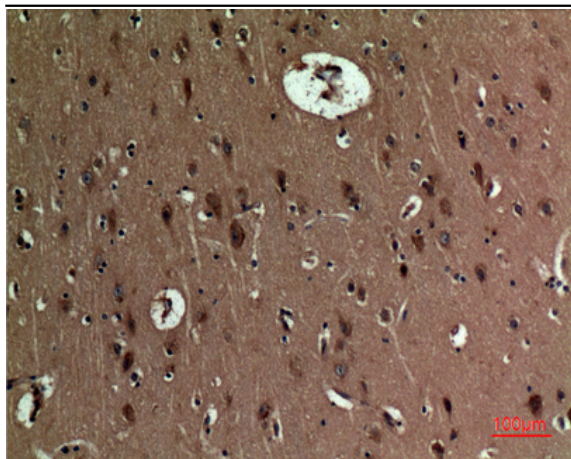
Subcellular Location : Mitochondrion. Mitochondrion outer membrane; Single-pass membrane protein. Coexpression with the EIB 19-kDa protein results in a shift in NIP3 localization pattern to the nuclear envelope. Colocalizes with ACAA2 in the mitochondria. Colocalizes with SPATA18 at the mitochondrion outer membrane.

Expression : B-cell,Brain,Cerebellum,Kidney,Testis,

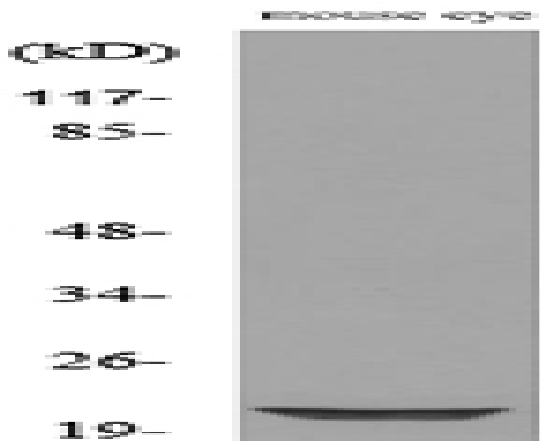
Products Images



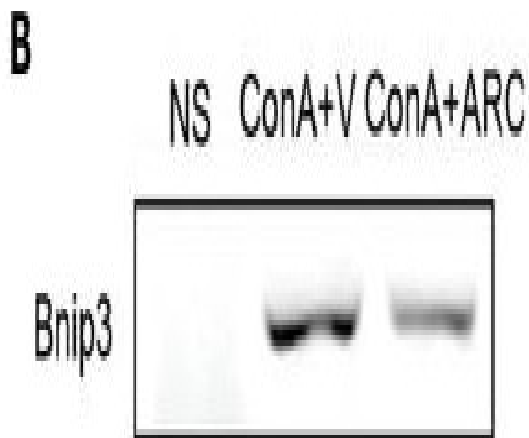
Western Blot analysis of mouse eye cells using BNIP-3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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



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



Feng, Qin. "Quantitative proteomic analysis reveals that Arctigenin alleviates concanavalin A-induced hepatitis through suppressing immune system and regulating autophagy." *Frontiers in immunology* 9 (2018): 1881.