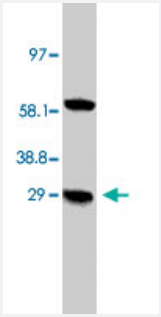
BNIP3 polyclonal antibody

Catalog # PAB7995 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat thymus tissue lysate. Using BNIP3 polyclonal antibody (Cat # PAB7995) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BNIP3.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human BNIP3.
Host	Rabbit
Theoretical MW (kDa)	21.5
Reactivity	Human, Mouse, Rabbit, Rat
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Immunohistochemistry (Frozen sections) (0.5-1 ug/mL) Immunocytochemistry (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na_2HPO_4 (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of rat thymus tissue lysate. Using BNIP3 polyclonal antibody (Cat # PAB7995) .

Gene Info — BNIP3

Entrez GeneID	664
Gene Name	BNIP3
Gene Alias	NIP3
Gene Description	BCL2/adenovirus E1B 19kDa interacting protein 3
Omim ID	603293
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein which is responsible for the protection of virally-induced cell death, as well as E1B 19 kDa-like sequences of BCL2, also an apoptotic protector. This gene contains a BH3 domain and a transmembrane domain, which have been associated with pro-apoptotic function. The dimeric mitochondrial protein encoded by this gene is known to induce apoptosis, even in the presence of BCL2. [provided by RefSeq
Other Designations	BCL2/adenovirus E1B 19kD-interacting protein 3|OTTHUMP00000020752

Publication Reference

- The pro-cell death Bcl-2 family member, BNIP3, is localized to the nucleus of human glial cells: Implications for glioblastoma multiforme tumor cell survival under hypoxia.

  Burton TR, Henson ES, Baijal P, Eisenstat DD, Gibson SB.

  International Journal of Cancer 2006 Apr; 118(7):1660.

  Application: IF, IHC-P, WB, Human, Human glioblastoma, Mouse brain, Skeletal muscle, HEK 293, MCF-7, U251, U87 cells

- BNIP3 heterodimerizes with Bcl-2/Bcl-X(L) and induces cell death independent of a Bcl-2 homology 3 (BH3) domain at both mitochondrial and nonmitochondrial sites.

  Ray R, Chen G, Vande Velde C, Cizeau J, Park JH, Reed JC, Gietz RD, Greenberg AH.

  The Journal of Biological Chemistry 2000 Jan; 275(2):1439.

  Application: IF, WB-Tr, Human, HEK 293T, MCF-7 cells