

NIP1 Antibody (BH3 Domain Specific)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1315a

Product Information

Application WB, IHC-P, E **Primary Accession** Q12981

Reactivity Human, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB1274Antigen Region92-127

Additional Information

Other Names Vesicle transport protein SEC20, BCL2/adenovirus E1B 19 kDa

protein-interacting protein 1, Transformation-related gene 8 protein, TRG-8,

BNIP1, NIP1, SEC20L

Target/Specificity This NIP1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 92-127 amino acids from human NIP1.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions NIP1 Antibody (BH3 Domain Specific) is for research use only and not for use

in diagnostic or therapeutic procedures.

Protein Information

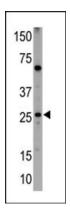
Background

NIP1 (BNIP1) 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. Alternative splicing of this gene results in four products of unknown function. Transcript variant BNIP1 contains the entire coding region of the gene. This variant contains a fully conserved BH3 domain, which has been associated with pro-apoptotic function.

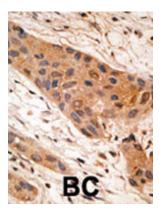
References

Zhang, H., et al., FEBS Lett. 448(1):23-27 (1999). Boyd, J.M., et al., Cell 79(2):341-351 (1994).

Images



Western blot analysis of anti-NIP1 BH3 Domain Pab (Cat.# AP1335a) in HL60 cell lysates (35ug/lane). NIP1 BH3 Domain (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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