

Bik BH3 Domain Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1319a**Specification**

Bik BH3 Domain Antibody - Product Information

Application	WB, IHC-P,E
Primary Accession	Q13323
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	39-74

Bik BH3 Domain Antibody - Additional Information**Gene ID** 638**Other Names**

Bcl-2-interacting killer, Apoptosis inducer NBK, BIP1, BP4, BIK, NBK

Target/Specificity

This Bik BH3 Domain antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 39-74 amino acids from human Bik BH3 Domain.

Dilution

WB~~1:2000

IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Bik BH3 Domain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bik BH3 Domain Antibody - Protein Information**Name** BIK {ECO:0000303|PubMed:7478623, ECO:0000312|HGNC:HGNC:1051}

Function Accelerates programmed cell death. Association to the apoptosis repressors Bcl-X(L), BHRF1, Bcl-2 or its adenovirus homolog E1B 19k protein suppresses this death-promoting activity. Does not interact with BAX.

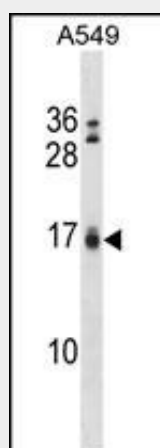
Cellular Location

Endomembrane system; Single-pass membrane protein. Mitochondrion membrane {ECO:0000250|UniProtKB:O70337}; Single-pass membrane protein. Note=Around the nuclear envelope, and in cytoplasmic membranes.

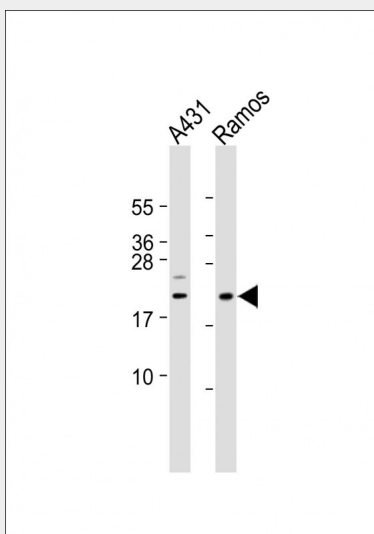
Bik BH3 Domain Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

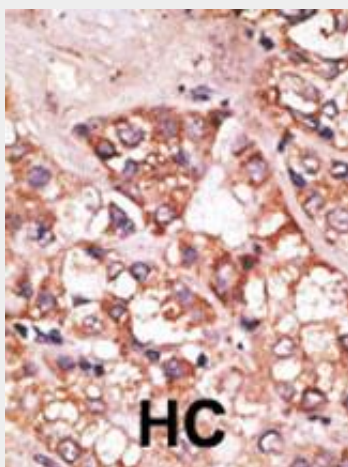
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Bik BH3 Domain Antibody - Images

Bik Antibody (BH3) (Cat. #AP1319a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the Bik antibody detected the Bik protein (arrow).



All lanes : Anti-hBik-BH3 at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: Ramos whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

Bik BH3 Domain Antibody - Background

The Bik protein is known to interact with cellular and viral survival-promoting proteins, such as BCL2 and the Epstein-Barr virus in order to enhance programmed cell death. Because its activity is suppressed in the presence of survival-promoting proteins, this protein is suggested as a likely target for antiapoptotic proteins. This protein shares a critical BH3 domain with other death-promoting proteins, BAX and BAK.

Bik BH3 Domain Antibody - References

Arena, V., et al., Genes Chromosomes Cancer 38(1):91-96 (2003).
Gillissen, B., et al., EMBO J. 22(14):3580-3590 (2003).
Germain, M., et al., J. Biol. Chem. 277(20):18053-18060 (2002).
Zou, Y., et al., Cancer Res. 62(1):8-12 (2002).
Castells, A., et al., Gastroenterology 117(4):831-837 (1999).

Bik BH3 Domain Antibody - Citations

- [TNF pretreatment interferes with mitochondrial apoptosis in the mouse liver by A20-mediated down-regulation of Bax.](#)