10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Bok BH3 Domain Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1310a

Specification

Bok BH3 Domain Antibody - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q9UL32
Other Accession	G0YKA8, Q3TH93, O35425, Q792S6
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**60-90**

Bok BH3 Domain Antibody - Additional Information

Other Names
Bcl-2-related ovarian killer protein, hBOK, Bcl-2-like protein 9, Bcl2-L-9, BOK, BCL2L9

Dilution
IHC-P~~1:50~100
WB~~1:1000
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
Bok BH3 Domain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bok BH3 Domain Antibody - Protein Information

Bok BH3 Domain Antibody - Protocols

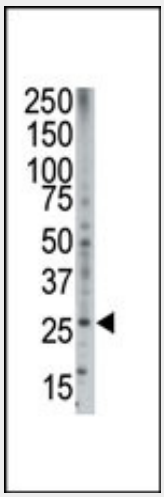
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

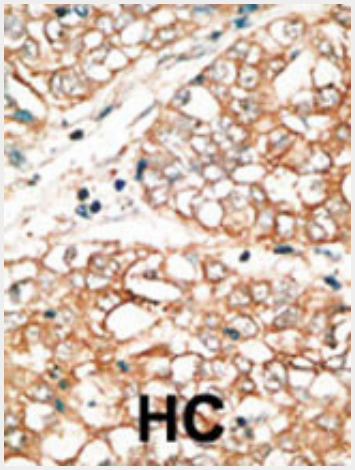
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bok BH3 Domain Antibody - Images



Western blot analysis of anti-Bok BH3 domain Pab (Cat. #AP1310a) in HL-60 cell lysate. Bok BH3 domain (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



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

Bok BH3 Domain Antibody - Background

Bok belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains all four BCL-2 like domains (BH1, 2, 3 and 4) and is a pro-apoptotic BCL-2 protein identified in the ovary.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Bok BH3 Domain Antibody - References

Hsu, S.Y., et al., Proc. Natl. Acad. Sci. U.S.A. 94(23):12401-12406 (1997). Zhang, H., et al., FEBS Lett. 480 (2-3), 311-313 (2000).

Bok BH3 Domain Antibody - Citations

- Stress via p53 pathway causes apoptosis by mitochondrial Noxa upregulation in doxorubicin-treated neuroblastoma cells.
- Membrane translocation and oligomerization of hBok are triggered in response to apoptotic stimuli and Bnip3.
- BOK and NOXA are essential mediators of p53-dependent apoptosis.