

Datasheet for ABIN499467
anti-BIK antibody (N-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	BIK
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BIK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	BIK antibody was raised against a 15 amino acid peptide from near the amino terminus of human BIK.
Isotype:	IgG
Specificity:	This antibody reacts to BIK.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	BIK
Alternative Name:	BIK (BIK Products)
Background:	Apoptosis plays a major role in normal organism development, tissue homeostasis, and

Target Details

removal of damaged cells and is caused by the activation of proteolytic enzymes termed caspases. Proteins that comprise the Bcl-2 family appear to control the activation of these enzymes. One such protein BIK was recently identified as an endoplasmic reticulum (ER)-residing pro-apoptotic member of the Bcl-2 homology domain-3 (BH3)-only group of the Bcl-2 family that stimulates mitochondrial release of cytochrome c following p53 induction of apoptosis. A significant fraction of BIK is found as an ER transmembrane protein, with most of the protein facing the cytosol. Restricting BIK to the ER membrane by replacing the transmembrane region with that of the ER-selective membrane anchor of cytochrome b(5) resulted in a decreased cytochrome c release from mitochondria and a corresponding drop in cell death. Recent evidence suggests that BIK cooperates with NOXA, another BH3-only protein, to somehow enhance the activation of Bax to stimulate the rapid release of cytochrome c from mitochondria. Synonyms: Apoptosis inducer NBK, BIP1, BP4, Bcl-2-interacting killer, NBK

Gene ID: 638

UniProt: [Q13323](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: ELISA. Western Blot: BIK antibody can be used for the detection of BIK at 1 - 2 µg/mL.
Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

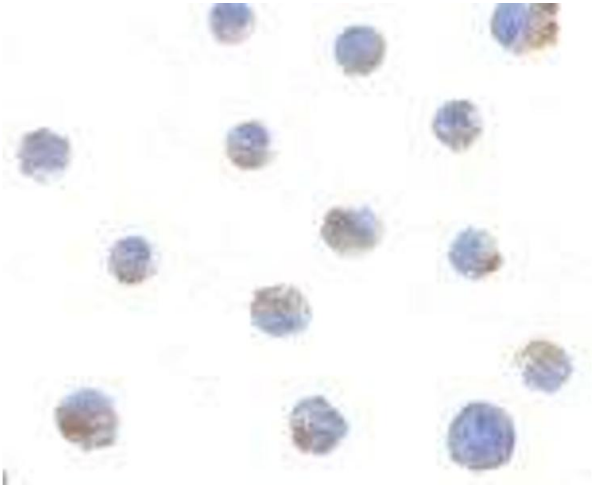
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

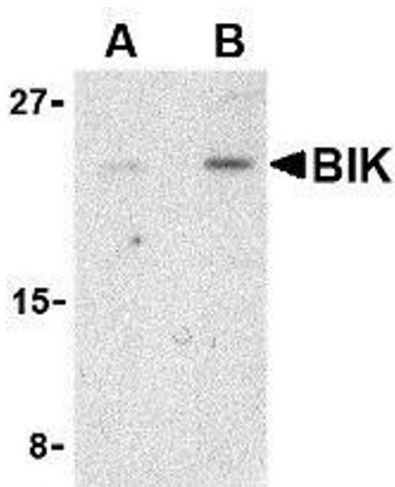
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of BIK in Jurkat cells with AP30150PU-N BIK antibody at 1 µg/ml.



Western Blotting

Image 2. Western blot analysis of BIK in Jurkat cell lysate with AP30150PU-N BIK antibody at (A) 1 and (B) 2 µg/ml.