

Rabbit BIK Polyclonal Antibody | anti-BIK antibody

Phospho-BIK (Ser35) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329788	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BIK; Polyclonal Antibody; Phospho-BIK (Ser35) Antibody; Apoptosis inducer NBK; BBC1; Bcl-2-interacting killer; BCL2 interacting killer; bhikhari; Bik-like killer protein; BIK_HUMAN; BIP 1; BiP1; BP 4; BP4; cb 60; NBK; anti-BIK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-BIK (Ser35) Antibody detects endogenous levels of BIK only when phosphorylated at Ser35.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BIK antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BIK around the phosphorylation site of Ser35.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Proteolytically cleaved by RHBDL4/RHBDD1. RHBDL4/RHBDD1-induced cleavage is a necessary step prior its degradation by the proteosome-dependent mechanism.
Subunit Structure	Interacts with RHBDL4/RHBDD1.
Similarity	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
Subcellular Location	Endomembrane system>Single-pass membrane protein. Mitochondrion membrane>Single-pass membrane protein. Note: Around the nuclear envelope, and in cytoplasmic membranes.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

Staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of BIK (Phospho-Ser35) using TNF- α treated HeLa whole cell lysates. -/+ means absence or presence of N peptide/non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-BIK antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502411
NCBI GeneID	638
NCBI Accession #	NP_001188.1
NCBI GenBank Nucleotide #	NM_001197.4
UniProt Accession #	Q13323; Q16582; Q6FH93
Molecular Weight	18,016 Da
NCBI Official Full Name	bcl-2-interacting killer
NCBI Official Synonym Full Names	BCL2-interacting killer (apoptosis-inducing)
NCBI Official Symbol	BIK
NCBI Official Synonym Symbols	BP4; NBK; BIP1
NCBI Protein Information	bcl-2-interacting killer; apoptosis inducer NBK; apoptosis-inducing NBK
UniProt Protein Name	Bcl-2-interacting killer
UniProt Gene Name	BIK
UniProt Synonym Gene Names	NBK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bik-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/329788>