

Anti-Bik Picoband Antibody

Catalog # ABO12441

Product Information

Application	WB, IHC-P
Primary Accession	Q13323
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Bcl-2-interacting killer(BIK) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	638
Other Names	Bcl-2-interacting killer, Apoptosis inducer NBK, BIP1, BP4, BIK, NBK
Calculated MW	18016
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Endomembrane system; Single-pass membrane protein. Mitochondrion membrane ; Single-pass membrane protein . Around the nuclear envelope, and in cytoplasmic membranes.
Source	Eukaryota
Protein Name	Bcl-2-interacting killer
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human Bik recombinant protein (Position: M1-R123). Human Bik shares 42.3% amino acid (aa) sequence identity with mouse Bik.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

freezing and thawing.

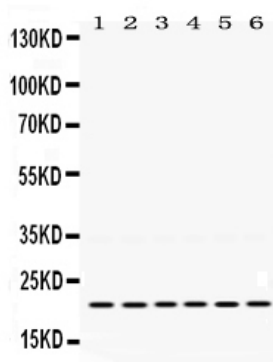
Protein Information

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.

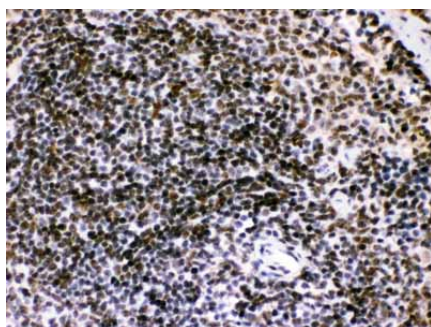
Background

Bcl-2-interacting killer is a protein that in humans is encoded by the BIK gene. This gene is mapped to 22q13.31. The protein encoded by this gene shares a critical BH3 domain with other death-promoting proteins, such as BID, BAK, BAD and BAX, that is required for its pro-apoptotic activity, and for interaction with anti-apoptotic members of the BCL2 family, and viral survival-promoting proteins. Since the activity of this protein is suppressed in the presence of survival-promoting proteins, it is suggested as a likely target for anti-apoptotic proteins.

Images

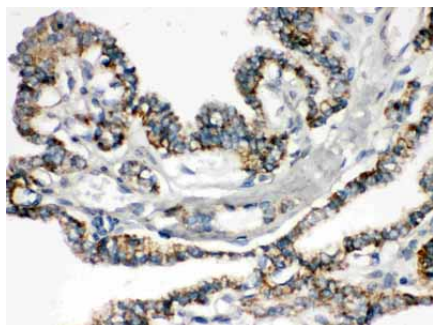
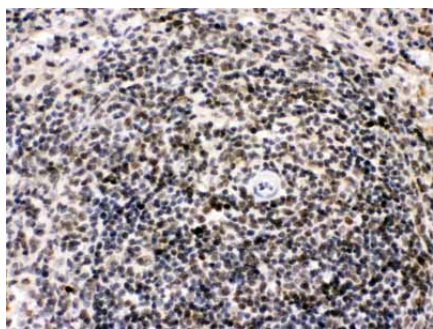


Anti- Bik Picoband antibody, ABO12441, Western blotting
All lanes: Anti Bik (ABO12441) at 0.5ug/ml
Lane 1: Rat Spleen Tissue Lysate at 50ug
Lane 2: Rat Gaster Tissue Lysate at 50ug
Lane 3: Rat Intestine Tissue Lysate at 50ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: A549 Whole Cell Lysate at 40ug
Lane 6: SKOV Whole Cell Lysate at 40ug
Predicted bind size: 22KD
Observed bind size: 22KD



Anti- Bik Picoband antibody, ABO12441, IHC(P)
IHC(P): Mouse Spleen Tissue

Anti- Bik Picoband antibody, ABO12441, IHC(P)
IHC(P): Rat Spleen Tissue



Anti- Bik Picoband antibody, ABO12441, IHC(P)IHC(P):
Human Thyroid Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.