

Anti-Bik Picoband Antibody
Catalog # ABO12441**Specification**

Anti-Bik Picoband Antibody - 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.

Anti-Bik Picoband Antibody - Additional Information

Gene ID 638

Other Names

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

Calculated MW

18016 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/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.

Protein Name

Bcl-2-interacting killer

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

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 reconstitution, 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.

Anti-Bik Picoband 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.

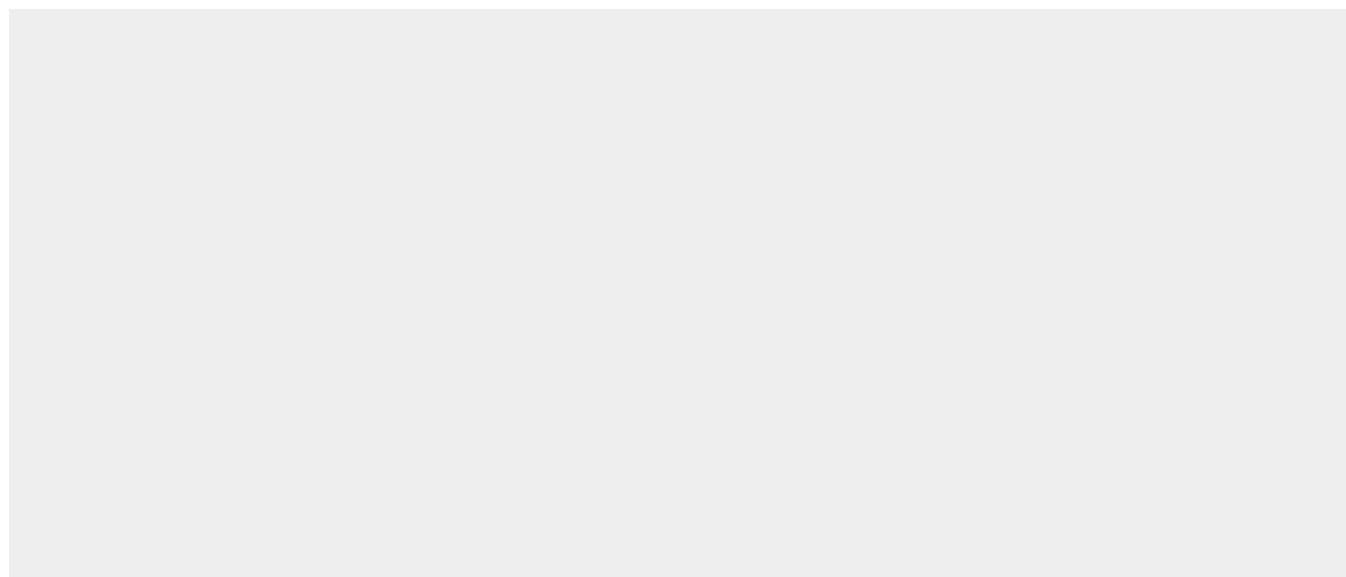
Cellular Location

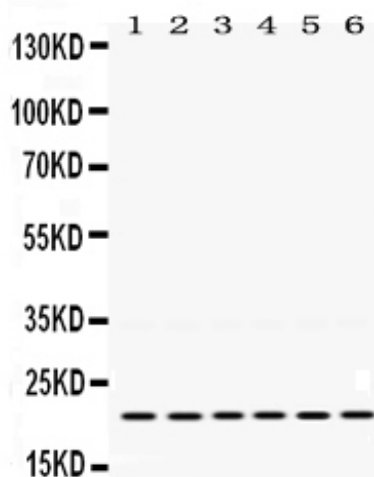
Endomembrane system; Single-pass membrane protein. Mitochondrion membrane {ECO:0000250|UniProtKB:O70337}; Single-pass membrane protein. Note=Around the nuclear envelope, and in cytoplasmic membranes.

Anti-Bik Picoband Antibody - Protocols

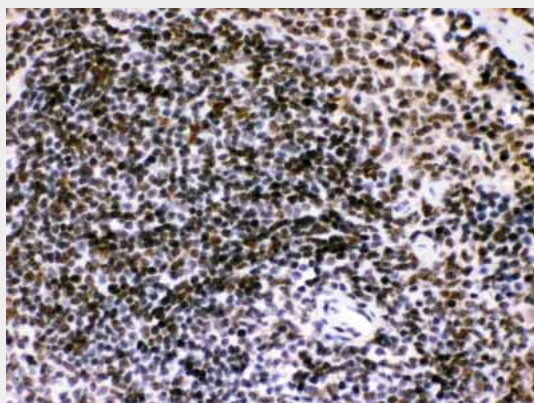
Provided below are standard protocols that you may find useful for product applications.

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

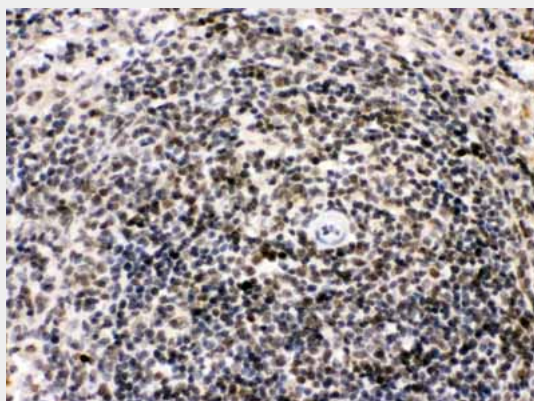
Anti-Bik Picoband Antibody - Images



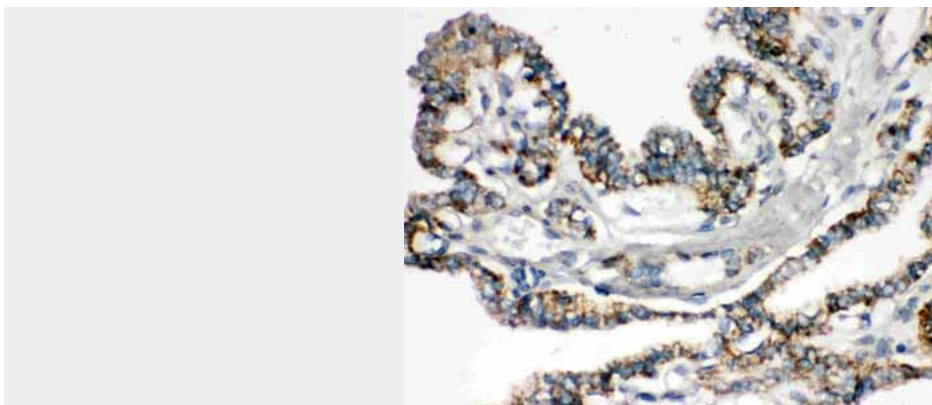
Anti- Bik Picoband antibody, ABO12441, Western blotting All lanes: Anti Bik (ABO12441) at 0.5ug/ml
Lane 1: Rat Spleen Tissue Lysate at 50ug
Lane 2: Rat Gaster Tissue Lysate at 50ug
Lane 3: Rat Intestine Tissue Lysate at 50ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: A549 Whole Cell Lysate at 40ug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

Anti-Bik Picoband Antibody - 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.