

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

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**Anti-Bik Picoband Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P              |
| Primary Accession | <a href="#">Q13323</a> |
| 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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>N.

**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.

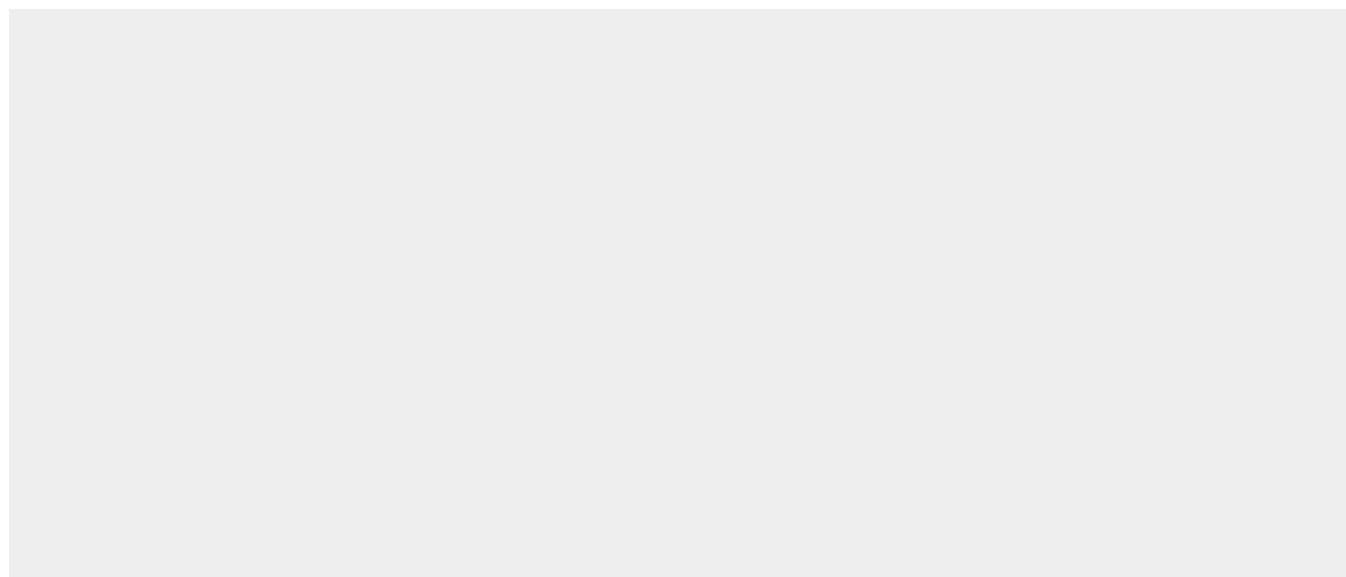
**Cellular Location**

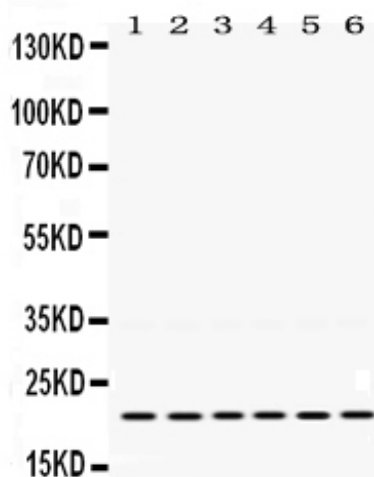
Endomembrane system; Single-pass membrane protein. Mitochondrion membrane {ECO:0000250|UniProtKB:O70337}; Single-pass membrane protein. Note=Around the nuclear envelope, and in cytoplasmic membranes.

**Anti-Bik Picoband Antibody - Protocols**

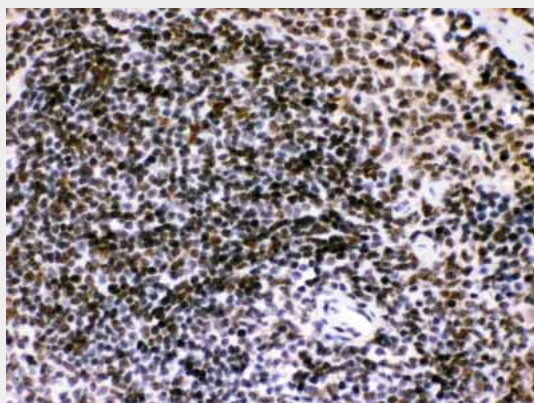
Provided below are standard protocols that you may find useful for product applications.

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

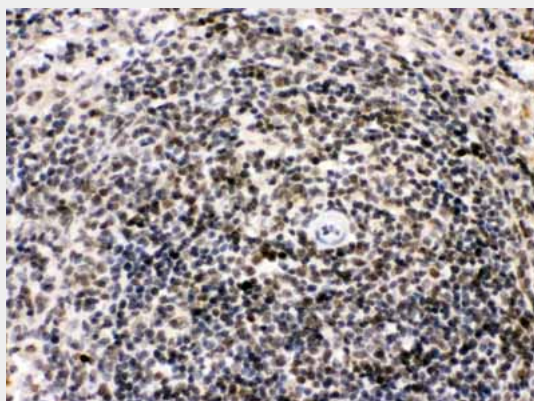
**Anti-Bik Picoband Antibody - Images**



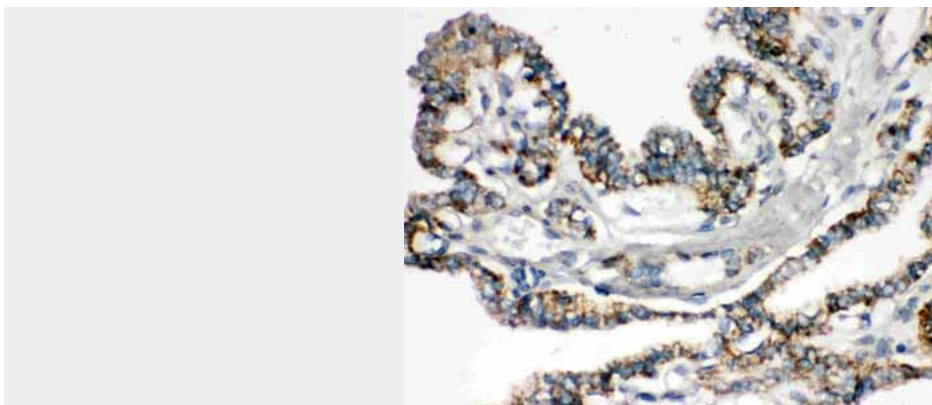
Anti- Bik Picoband antibody, ABO12441, Western blotting All lanes: Anti Bik (ABO12441) at 0.5ug/ml  
Lane 1: Rat Spleen Tissue Lysate at 50ug  
Lane 2: Rat Gaster Tissue Lysate at 50ug  
Lane 3: Rat Intestine Tissue Lysate at 50ug  
Lane 4: MCF-7 Whole Cell Lysate at 40ug  
Lane 5: A549 Whole Cell Lysate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