Bok Antibody

Store at -20°C

#4521

For Research Use Only. Not For Use In Diagnostic Procedures.

### Applications:

- **WB**

### Reactivity:

- H M R Mk

### Sensitivity:

- Endogenous

### MW (kDa):

- 18

### Source:

- Rabbit

### UniProt ID:

- O35425

### Entrez Gene Id:

- 51800

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**Product Usage Information**

**Application**

Western Blotting

**Dilution**

1:1000

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**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

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**Specificity / Sensitivity**

Bok Antibody detects endogenous levels of total Bok protein. The antibody does not cross-react with endogenous levels of other Bcl-2 family members.

**Species Reactivity:**

Human, Mouse, Rat, Monkey

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**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues within a central region of Bok. Antibodies are purified by protein A and peptide affinity chromatography.

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**Background**

Bok (Bcl-2-related ovarian killer)/ Mtd is a pro-apoptotic Bcl-2 family member identified in a yeast two-hybrid screen using Mcl-1 as the bait (1). Bok contains conserved Bcl-2 homology domains, BH1, BH2, and BH3. In yeast two-hybrid assays, Bok interacted with some (Mcl-1, BHFR1, and Bir-1) but not other (Bcl-2, Bcl-xL and Bcl-w) anti-apoptotic family members (1, 2). Likewise, Bok induced apoptosis is blocked by Mcl-1 and BHFR1 but not by Bcl-2 or Bcl-xL (1, 2). Bok was originally described to be predominately expressed in reproductive tissues such as ovary, testis and uterus (1). Subsequent studies have found selective expression of Bok in a number of adult and development tissues (2).


**APPLICATIONS KEY**

- **WB:** Western Blot
- **IP:** Immunoprecipitation
- **IH:** Immunohistochemistry
- **ChIP:** Chromatin Immunoprecipitation
- **IF:** Immunofluorescence
- **FC:** Flow Cytometry
- **ELISA-P:** ELISA-Peptide

**CROSS-REACTIVITY KEY**

- **H:** human
- **M:** mouse
- **R:** rat
- **Hm:** hamster
- **Mm:** monkey
- **Mk:** mink
- **C:** chicken
- **Dm:** D. melanogaster
- **X:** Xenopus
- **Z:** zebrafish
- **B:** bovine
- **Dg:** dog
- **Pg:** pig
- **Sc:** S. cerevisiae
- **Ce:** C. elegans
- **Hr:** horse
- **All:** all species expected

**IMPORTANT:** For primary antibodies recommended for western blotting applications, we recommend incubating the membrane with diluted antibody at 4°C with gentle shaking overnight. Please refer to the western blot protocol found on the product web page for the antibody-specific dilution recommendation.

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