

BAK1

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 23kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human BAK1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bh

Synonym:

BAK1;BAK;BAK-LIKE;BCL2L7;CDN1;MGC117255;MGC3887 ;

Catalog #: A0204

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 578

Isotype: IgG

Swiss Prot: Q16611

Purity: Affinity purification

For research use only.

Background:

Bak is a proapoptotic member of the Bcl-2 family (1). This protein is located on the outer membrane of mitochondria and is an essential component for transduction of apoptotic signals through the mitochondrial pathway (2,3). Upon apoptotic stimulation, an upstream stimulator like truncated BID (tBID) induces conformational changes in Bak to form oligomer channels in the mitochondrial membrane for cytochrome c release. The release of cytochrome c to the cytosol activates the caspase-9 pathway and eventually leads to cell death (4,5).

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