

**Product Name: Bak Rabbit Monoclonal antibody**  
**Catalog #: AMRe01714**



## Summary

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Production Name</b> | Bak Rabbit Monoclonal antibody         |
| <b>Description</b>     | Recombinant rabbit monoclonal antibody |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,IHC,IP                              |
| <b>Reactivity</b>      | Human                                  |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Unmodified                                                                                           |
| <b>Isotype</b>      | IgG                                                                                                  |
| <b>Clonality</b>    | Monoclonal Antibody                                                                                  |
| <b>Form</b>         | Liquid                                                                                               |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b> | Affinity Purified                                                                                    |

## Immunogen

|                          |                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | BAK1                                                                                                                 |
| <b>Alternative Names</b> | BAK1; BAK; BCL2L7; CDN1; Bcl-2 homologous antagonist/killer; Apoptosis regulator BAK; Bcl-2-like protein 7; Bcl2-L-7 |
| <b>Gene ID</b>           | 578                                                                                                                  |
| <b>SwissProt ID</b>      | Q16611.                                                                                                              |

## Application

|                         |                                             |
|-------------------------|---------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50 |
| <b>Molecular Weight</b> | Calculated MW: 23 kDa; Observed MW: 23 kDa  |

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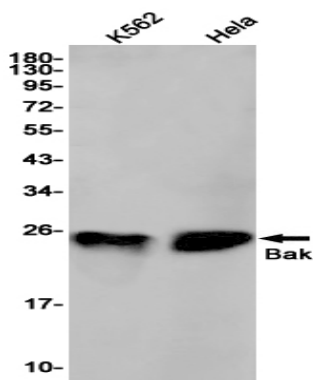
## Background

Bak is a proapoptotic member of the Bcl-2 family. This protein is located on the outer membrane of mitochondria and is an essential component for transduction of apoptotic signals through the mitochondrial pathway. 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.

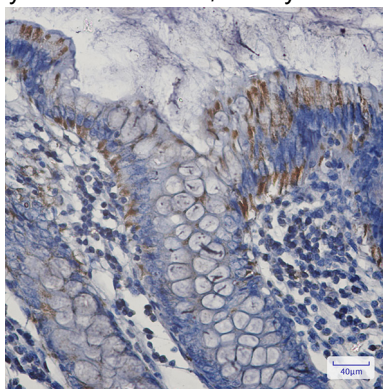
## Research Area

Cell Biology

## Image Data



Western blot analysis of Bak in K562, HeLa lysates using Bak antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Bak antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.