

## Anti-Bak Rabbit mAb

Purified Rabbit Monoclonal Antibody

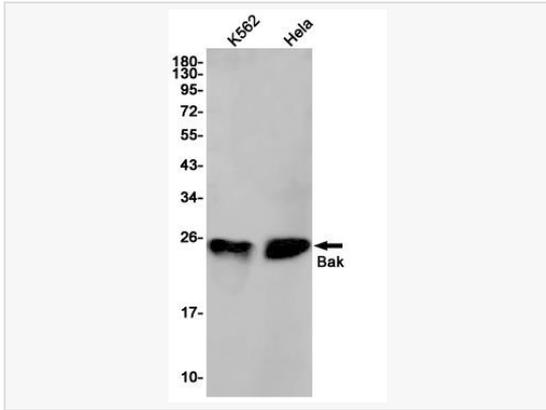
Catalog # R010250

### Product Information

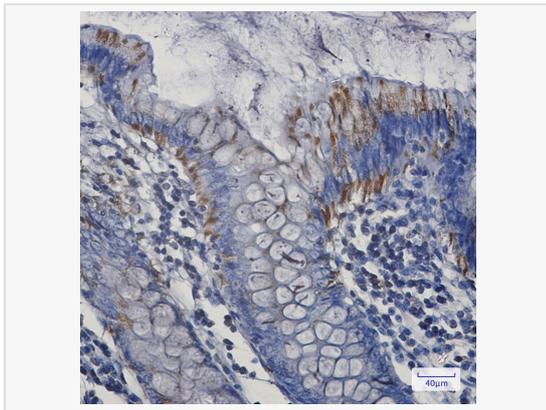
Application	WB, IHC-P/IF (Tissue-P), IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	94K40K04
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Bak
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Bak antibody [94K40K04] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	BAK1, BAK, BCL2L7, CDN1, Bcl-2 homologous antagonist/killer, Apoptosis regulator BAK, Bcl-2-like protein 7, Bcl2-L-7.
Calculated MW	Calculated MW: 23 kDa; Observed MW: 23 kDa
Uniprot ID	Q16611
Gene ID	578
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.



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.