

BAK1 Antibody

Catalog No: #32009

Package Size: #32009-1 50ul #32009-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

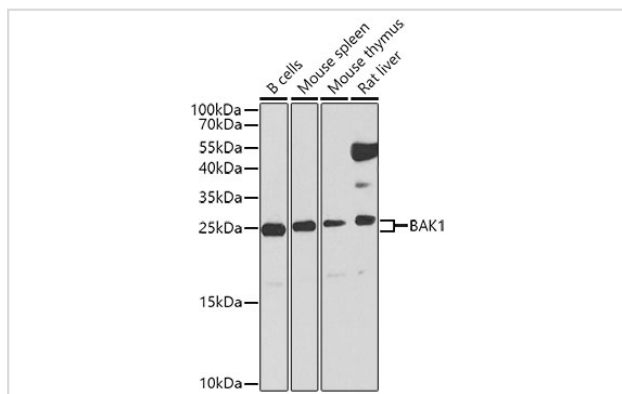
Description

Product Name	BAK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total BAK1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human BAK1.
Conjugates	Unconjugated
Target Name	BAK1
Other Names	BAK1; BAK; BAK-LIKE; BCL2L7; CDN1
Accession No.	Swiss-Prot:Q16611NCBI Gene ID:578
SDS-PAGE MW	23KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

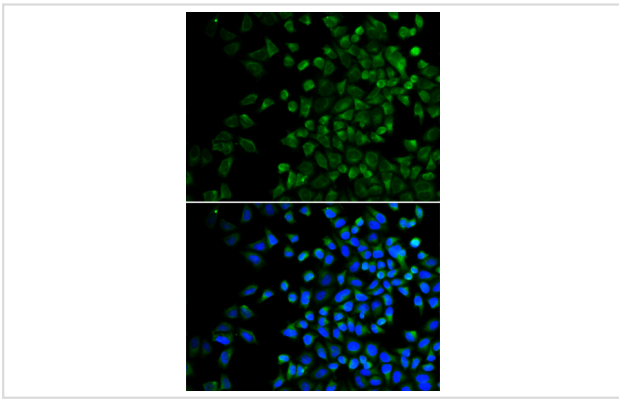
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using BAK1 antibody at 1:1000 dilution.



Immunofluorescence analysis of HeLa cells using BAK1 antibody. Blue: DAPI for nuclear staining.

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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.