

Anti-BAK Antibody

Rabbit polyclonal antibody to BAK

Catalog # AP59484

Product Information

Application	WB, IHC
Primary Accession	Q16611
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23409

Additional Information

Gene ID	578
Other Names	BAK; BCL2L7; CDN1; Bcl-2 homologous antagonist/killer; Apoptosis regulator BAK; Bcl-2-like protein 7; Bcl2-L-7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BAK. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

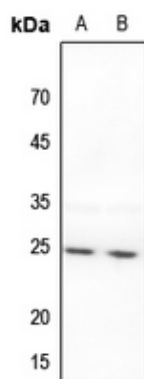
Protein Information

Name	BAK1
Synonyms	BAK, BCL2L7, CDN1
Function	Plays a role in the mitochondrial apoptotic process. Upon arrival of cell death signals, promotes mitochondrial outer membrane (MOM) permeabilization by oligomerizing to form pores within the MOM. This releases apoptogenic factors into the cytosol, including cytochrome c, promoting the activation of caspase 9 which in turn processes and activates the effector caspases.
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein
Tissue Location	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

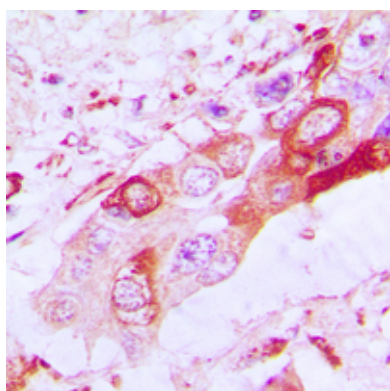
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BAK. The exact sequence is proprietary.

Images



Western blot analysis of BAK expression in HeLa (A), H1688 (B) whole cell lysates.



Immunohistochemical analysis of BAK staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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