

Anti-BAK Antibody
Rabbit polyclonal antibody to BAK
Catalog # AP59484

Specification

Anti-BAK Antibody - Product Information

Application	WB
Primary Accession	O16611
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23409

Anti-BAK Antibody - 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

Recognizes endogenous levels of BAK protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (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

Anti-BAK Antibody - 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

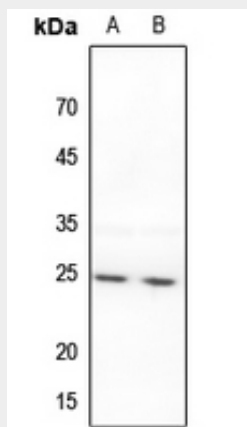
Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle

Anti-BAK Antibody - Protocols

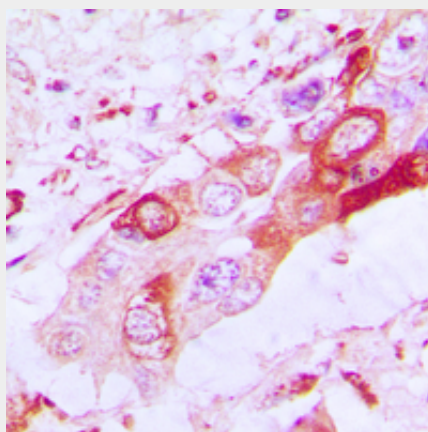
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-BAK Antibody - 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.

Anti-BAK Antibody - Background

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