

Rabbit anti-Mouse, Human BAK Polyclonal Antibody | anti-BAK1 antibody

Polyclonal Antibody to BAK

CATALOG # AAA78305	HOST Rabbit	REACTIVITY Mouse, Human	APPLICATIONS Western Blot, Immunohistochemistry, Immunoprecipitation
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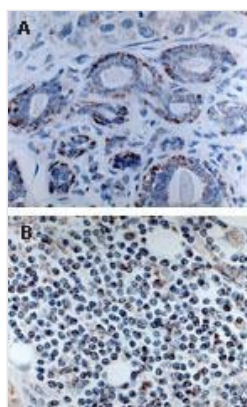
PRODUCT SYNONYMS

BAK; Polyclonal Antibody; Polyclonal Antibody to BAK; BAK1; BCL2L7; CDN1; Apoptosis regulator BAK; Bcl2-L-7; Bcl-2-like protein 7; Antibody to BAK; Anti-BAK Antibody; BAK Antibody; anti-BAK1 antibody

PRODUCT SPECIFICATIONS

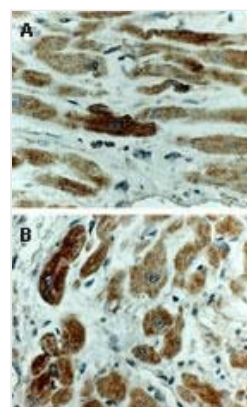
Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Serum
Form/Format	50 ul sera
Sequence Length	211
Applicable Applications for anti-BAK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen Information	A synthetic peptide of BAK protein (amino acids 16-36 EPALPSASEEQVAQDTEEVFR) was used as the immunogen for this antibody
Antigen	BAK
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig: 2 Formalin-fixed paraffin-embedded human tissue for Bak expression using at 1: 2000. A. Ductal breast carcinoma. B. Lymphocyte infiltration in soft tissue adjacent to colon carcinoma. Hematoxylin-eosin counterstain.



IHC (Immunohistochemistry)

Fig: 1 Formalin-fixed paraffin-embedded tissue sections of human heart with cardiomyopathy stained for Bak expression using at 1: 2000 (A and B). Hematoxylin-eosin counterstain.

ADDITIONAL INFORMATION

Related Product Information for anti-BAK1 antibody	Human BAK is a 211 amino acid protein. The Bcl-2 family of apoptosis-related genes plays central roles in regulating apoptotic pathways. Bcl-2 family proteins can be divided into 3 main subfamilies on the basis of their function and the content of their Bcl-2 homology (BH) domains, for example: 1) Prosurvival: Bcl-2, Bcl-XL, Bcl-W, A1, and Mcl-1 2) Proapoptotic (multidomain): Bax, Bak, and Bok. 3) BH3-only (proapoptotic): Bad, Bcl-XS, Bid, Bik, Bim, Blk, Bmf, Bnip, Noxa, and Puma. Regulation of cell death through apoptosis is critical for the maintenance of homeostasis, defense against infectious agents, and normal development. Bcl-2 family proteins regulate apoptosis primarily through the regulation of mitochondrial outer membrane permeability. In mammals, the family consists of both prosurvival (antiapoptotic) and proapoptotic (prodeath) members. Cellular homeostasis is thought to be dependent on a balance between the actions of prosurvival and proapoptotic proteins. Many Bcl-2 family proteins are differentially expressed in various malignancies and some are useful prognostic biomarkers. Prosurvival proteins are often elevated in diverse cancers and have the potential to confer resistance to both endogenous cell death stimuli and cancer treatments. Alterations in the ratio or levels of Bcl-2 family proteins have been also associated with nonmalignant diseases including neurodegenerative diseases, autoimmune diseases, AIDs, Downs syndrome, cardiovascular diseases, diabetes, glomerulonephritis, and muscular dystrophy.
Product Categories/Family for anti-BAK1 antibody	Antibodies ; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	2493274
NCBI GeneID	578
UniProt Accession #	Q16611 ; Q6I9T6 ; Q92533 ; C0H5Y7
Molecular Weight	16,872 Da
NCBI Official Full Name	Bcl-2 homologous antagonist/killer
NCBI Official Synonym Full Names	BCL2 antagonist/killer 1
NCBI Official Symbol	BAK1
NCBI Official Synonym Symbols	BAK; CDN1; BCL2L7; BAK-LIKE
NCBI Protein Information	bcl-2 homologous antagonist/killer
UniProt Protein Name	Bcl-2 homologous antagonist/killer
UniProt Gene Name	BAK1
UniProt Synonym Gene Names	BAK; BCL2L7; CDN1; Bcl2-L-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bak-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/78305>