

## Rabbit BAK1 Polyclonal Antibody | anti-BAK1 antibody

BAK1 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                     |
|-----------|--------|-------------------|----------------------------------|
| AAA36689  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Western Blot |

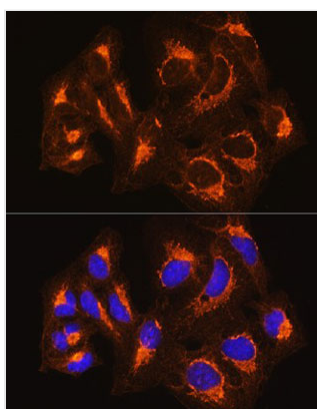
### PRODUCT SYNONYMS

BAK1; Polyclonal Antibody; BAK1 Polyclonal Antibody; BAK; BAK-LIKE; BCL2L7; CDN1; MGC117255; MGC3887; anti-BAK1 antibody

### PRODUCT SPECIFICATIONS

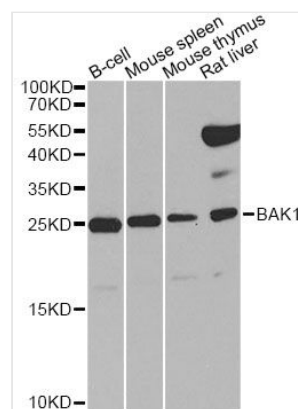
|                                                |                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                     |
| Clonality                                      | Polyclonal                                                                                            |
| Isotype                                        | IgG                                                                                                   |
| Purity/Purification                            | Affinity purification                                                                                 |
| Form/Format                                    | PBS with 0.05% proclin300,50% glycerol,pH7.3.                                                         |
| Sequence Length                                | 211                                                                                                   |
| Applicable Applications for anti-BAK1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                            |
| Immunogen                                      | A synthetic peptide corresponding to a sequence within amino acids 62-112 of human Bak (NP_001179.1). |
| Category                                       | Polyclonal Antibodies                                                                                 |
| Preparation and Storage                        | Store at -20°C. Avoid freeze / thaw cycles.                                                           |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Bak Rabbit pAb (AAA36689) at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using BAK1 Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BAK1 antibody | The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. |
| Product Categories/Family for anti-BAK1 antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2493274                                                                                                                                     |
| NCBI GeneID                      | 578                                                                                                                                         |
| UniProt Accession #              | Q16611; Q6I9T6; Q92533; C0H5Y7                                                                                                              |
| Molecular Weight                 | Calculated MW: 16kDa/23kDa<br>Observed MW: 26kDa                                                                                            |
| 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; bcl2-L-7; BCL2-like 7 protein; bcl-2-like protein 7; apoptosis regulator BAK; pro-apoptotic protein BAK |
| UniProt Protein Name             | Bcl-2 homologous antagonist/killer                                                                                                          |
| UniProt Gene Name                | BAK1                                                                                                                                        |
| UniProt Synonym Gene Names       | BAK; BCL2L7; CDN1; Bcl2-L-7                                                                                                                 |
| UniProt Entry Name               | BAK_HUMAN                                                                                                                                   |

**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/bak1-antibody-immunofluorescence-western-blot-elisa/36689>