



Mouse Monoclonal Antibody **Bak** conjugated to Sepharose Beads

CatalogNo: **ANT8371-S**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

**Bak (ANT0051R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IHC, IF, IP, ELISA

#### Applications

#### MW

- 23kD (Calculated)
  - IgG, Kappa
- 23kD (Observed)

#### Isotype

## Recommended Dilution Ratios

### IP

### Basic Information

Clonality

Monoclonal

Clone Number      ANT0051R

**Immunogen Information**

**Specificity**      Endogenous

**Gene name**      BAK1

**Protein Name**      Bcl-2 homologous antagonist/killer

| Organism | Gene ID              | UniProt ID              |
|----------|----------------------|-------------------------|
| Human    | <a href="#">578;</a> | <a href="#">Q16611;</a> |
| Mouse    |                      | <a href="#">O08734;</a> |

**Cellular**      Mitochondrion outer membrane

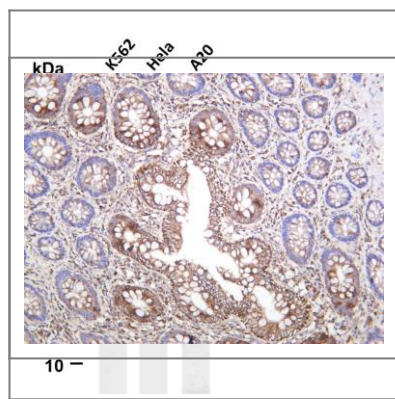
**Localization**

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

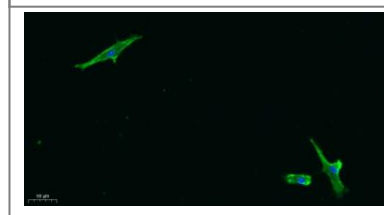
**Function**      Caution:Could be the product of a pseudogene.,domain:Intact BH3 domain is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family. Apoptotic members of the Bcl-2 family.,domain:Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.,Function:In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the a repressor Bcl-2 or its adenovirus homolog E1B 19k protein.,Function:In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the a. repressor BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.,similarity:Belongs to the Bcl-2 family.,subunit:Forms heterodimers with Bcl-2, E1B 19k protein, and Bcl-X(L).,subunit:Interacts with BCL2A1 (By similarity). Homodimer. Formation of the homodimer is zinc-dependent. Forms heterodimers with BCL2, E1B 19k protein, and BCL2L1 isoform Bcl-X(L).,tissue specificity:Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.,

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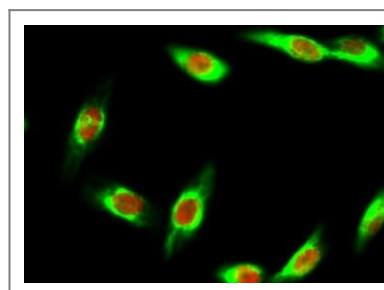
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Bak (ANT0051R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: Hela Lane 3: A20  
 Predicted band size: 23kDa Observed band size: 23kDa  
 Human colon was stained with anti-Bak (ANT0051R) rabbit antibody



Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Immunofluorescence analysis of Hela cell. 1,Bak Antibody(green) was diluted at 1:200(4° overnight). (red) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 Catalog:RS3608 was diluted at 1:1000(room temperature, 50min).

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