Mouse Monoclonal Antibody Bak conjugated to Sepharose Beads

CatalogNo: ANT8371-M

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Bak (ANT0051R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 23kD (Calculated) 23kD (Observed)	• IgG,Kappa

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

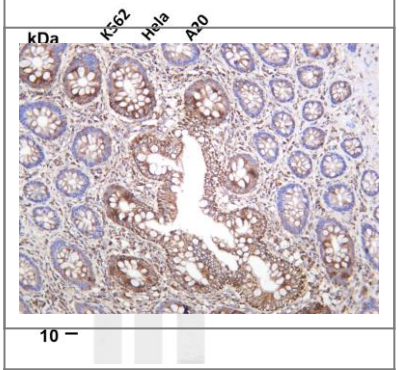
Organism	Gene ID	UniProt ID
Human	578;	Q16611;
Mouse		O08734;

Cellular Localization Mitochondrion outer membrane

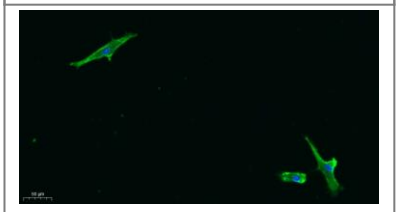
Tissue specificity Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.

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.,

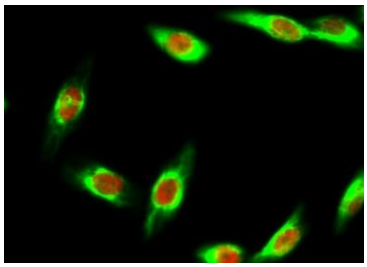
Validation Data



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).