

Anti-Bak Rabbit pAb

Purified Rabbit Polyclonal Antibody

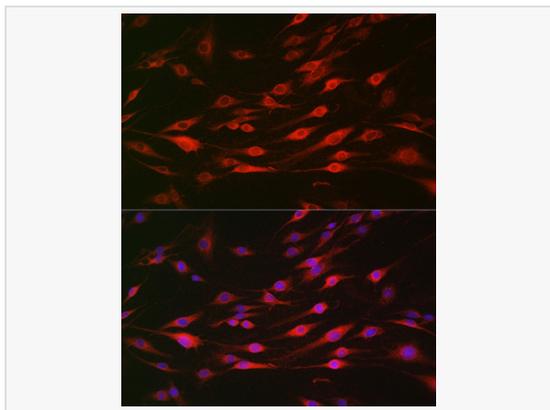
Catalog # P100042

Product Information

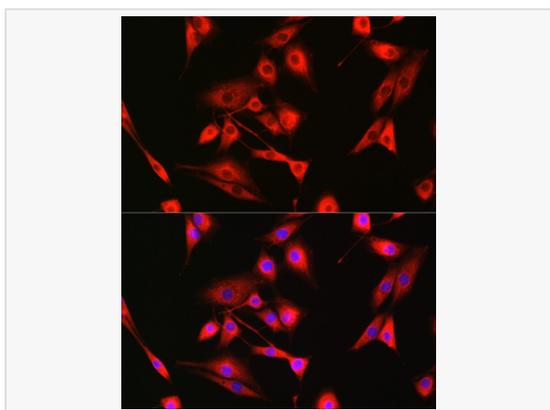
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|-------------|---|
| Application | WB, IF (Cell)/ICC, IP, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IF 1:50~1:200; IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic peptide corresponding to a sequence within amino acids 50-150 of human Bak (NP_001179.1). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Bak Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

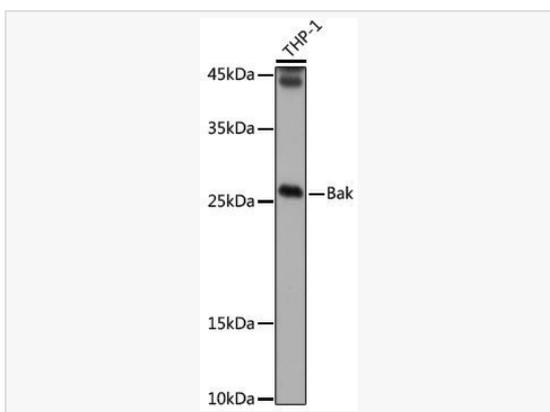
| | |
|---------------|---|
| Synonyms | BAK; CDN1; BCL2L7; BAK-LIKE; Bak. |
| Calculated MW | Calculated MW: 23 kDa; Observed MW: 25 kDa |
| Uniprot ID | Q16611 |
| Gene ID | 578 |
| Background | The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers 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. |



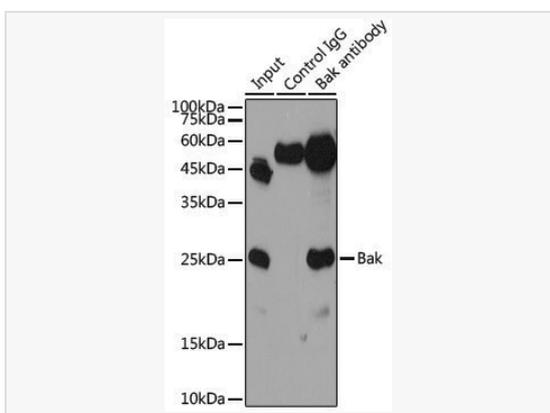
Immunofluorescence analysis of C6 cells using Bak Rabbit pAb (P100042) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Bak Rabbit pAb (P100042) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from THP-1 cells, using Bak Rabbit pAb (P100042) at 1:1,000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Kit.
 Exposure time: 180s.



Immunoprecipitation analysis of 300 µg extracts of THP-1 cells using 3 µg Bak antibody (P100042). Western blot was performed from the immunoprecipitate using Bak antibody (P100042) at a dilution of 1:1000.