Product Datasheet

BAK Antibody (AT38E2)
NBP1-74026-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Publications: 1

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### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>100 µl</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>1 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone</strong></td>
<td>AT38E2</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG2a Kappa</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS (pH 7.4) and 10% Glycerol</td>
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</tbody>
</table>

### Product Description

**Description**
BAK encodes an receptor-like kinase (RLK) with a putative extracellular domain, a single transmembrane domain, an intracellular-juxtamembrane domain, and a kinase domain. BAK expression is associated with the progression of Prostate cancer (CaP). BAK appears to function in distinct receptor-signaling complexes to integrate multiple microbe-associated molecular pattern (MAMP) perception into downstream signaling events. BAK can serve multiple purposes to simultaneously modulate MAMP-receptor complexes, BR signaling, and cell death for the benefit of bacterial infection, life style, and fitness. Concentration

**Host**
Mouse

**Gene ID**
578

**Gene Symbol**
BAK1

**Species**
Human, Mouse

**Reactivity Notes**
Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.

**Specificity/Sensitivity**
Anti-human BAK1 mAb, clone 8B4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BAK1 protein.

**Immunogen**
Recombinant human BAK1 (29-187aa) purified from E.coli

### Product Application Details

**Applications**
Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence

**Recommended Dilutions**
Western Blot 1:500, Flow Cytometry, ELISA 1:100-1:2000, Immunocytochemistry/Immunofluorescence 1:500

**Application Notes**
The antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:250
Western Blot: BAK Antibody (AT38E2) [NBP1-74026] - The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BAK1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : 293T cell lysate Lane 2 : HeLa cell lysate Lane 3 : A431 cell lysate Lane 4 : A549 cell lysate Lane 5 : Jurkat cell lysate Lane 6 : MCF7 cell lysate Lane 7 : PC3 cell lysate

Immunocytochemistry/Immunofluorescence: BAK Antibody (AT38E2) [NBP1-74026] - Analysis of BAK1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HeLa antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green)

Flow Cytometry: BAK Antibody (AT38E2) [NBP1-74026] - Flow Cytometry: BAK Antibody (8B4) [PE] [NBP1-74026PE] - An intracellular stain was performed on Jurkat cells with BAK antibody (8B4) NBP1-74026PE (blue) and a matched isotype control NB600-985PE (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to phycoerythrin. Image using the PE form of this antibody.

Flow Cytometry: BAK Antibody (AT38E2) [NBP1-74026] - Analysis of BAK1 in HeLa cell line, staining at 2-5ug for 1x10^6cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).
Flow Cytometry: BAK Antibody (AT38E2) [NBP1-74026] - Flow Cytometry: BAK Antibody (8B4) [PE] [NBP1-74026PE] - An intracellular stain was performed on RAW 246.7 cells with BAK antibody (8B4) NBP1-74026PE (blue) and a matched isotype control NB600-985PE (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 µg/mL for 30 minutes at room temperature. Both antibodies were conjugated to phycoerythrin. Image using the PE form of this antibody.

**Publications**

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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