BAX
Polyclonal ANTIBODY

Catalog Number: 23931-1-AP

Basic Information

Catalog Number: 23931-1-AP
Size: 150μL, 310μg/mL
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG21068
GenBank Accession Number: BC014175
GeneID (NCBI): 581
Full Name: BCL2-associated X protein
Calculated MW: 21 kDa

Applications

Tested Applications: ELISA
Cited Applications: IHC, WB
Species Specificity: human
Cited Species: Bovine, human, mouse, rat

Background Information

BAX, also named as BCL2L4, is a pro-apoptotic member of the Bcl-2 protein family, which plays a pivotal role in controlling cell life and death. Bax largely localizes to the cytoplasm of healthy cells, but accumulates on the outer mitochondrial membrane upon apoptosis induction (PMID: 9108035). BAX can commit a cell to apoptosis by translocation from the cytosol to the mitochondria and permeabilization of the outer mitochondrial membrane, which leads to the release of cytochrome c from mitochondria (PMID: 21763611). The expression of BAX is upregulated by the tumor suppressor protein p53, and BAX has been shown to be involved in p53-mediated apoptosis (PMID: 8183579).

Notable Publications

<table>
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<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
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<tbody>
<tr>
<td>Samana Batool</td>
<td>30274346</td>
<td>Int J Mol Sci</td>
<td>WB</td>
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<tr>
<td>Shan-Shan Jiang</td>
<td>25260879</td>
<td>J Transl Med</td>
<td>WB</td>
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<tr>
<td>Dong Dong</td>
<td>28979677</td>
<td>Am J Transl Res</td>
<td>WB</td>
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Storage

Storage: Store at -20°C.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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