Anti-Caspase-3(P17)/CASP3 Antibody

Catalog Number: PA1961

About CASP3

CASP3 (Caspase3 Apoptosis-Related Cysteine Protease), also known as YAMA, CPP32 or APOPAIN, is a caspase protein that interacts with caspase 8 and caspase 9. It is encoded by the CASP3 gene. The CASP3 protein is a member of the cysteine-aspartic acid protease (caspase) family. Tiso et al. (1996) used radiation hybrid mapping to localize the CPP32 gene to human chromosome 4q33-q35.1. Fernandes-Alnemri et al. (1994) found that overexpression of CPP32 in insect cells induced apoptosis. Coexpression of the 2 CPP32 subunits in insect cells also resulted in apoptosis. Tewari et al. (1995) showed that purified human ICE cleaved the Yama proenzyme into a proteolytically active form and that activated Yama cleaved PARP into the 85-kD apoptotic form.

Overview

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Anti-Caspase-3(P17)/CASP3 Antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactive Species</td>
<td>Human</td>
</tr>
<tr>
<td>Description</td>
<td>Rabbit IgG polyclonal antibody for Caspase-3(CASP3) detection. Tested with WB in Human.</td>
</tr>
<tr>
<td>Conjugate</td>
<td>No</td>
</tr>
<tr>
<td>Application</td>
<td>WB</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Formulation</td>
<td>Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.</td>
</tr>
<tr>
<td>Storage Instructions</td>
<td>At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Uniprot ID</td>
<td>P42574</td>
</tr>
</tbody>
</table>

Technical Details

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>A synthetic peptide corresponding to a sequence at the N-terminus of human Caspase-3(P17)(70-90aa DAANLRETFRNLKYEVRNKND).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predicted Reactive Species</td>
<td>Hamster</td>
</tr>
<tr>
<td>Recommended Detection Systems</td>
<td>Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.</td>
</tr>
<tr>
<td>Cross Reactivity</td>
<td>No cross reactivity with other proteins</td>
</tr>
<tr>
<td>--------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>Isotype</td>
<td>N/A</td>
</tr>
<tr>
<td>Form</td>
<td>Lyophilized</td>
</tr>
<tr>
<td>Concentration</td>
<td>Add 0.2ml of distilled water will yield a concentration of 500ug/ml.</td>
</tr>
<tr>
<td>Reconstitution</td>
<td>Add 0.2ml of distilled water will yield a concentration of 500ug/ml.</td>
</tr>
<tr>
<td>Purification</td>
<td>Immunogen affinity purified.</td>
</tr>
<tr>
<td>Suggested Dilutions</td>
<td>Western blot, 0.1-0.5μg/ml, Human</td>
</tr>
</tbody>
</table>

For protocols please visit [https://www.bosterbio.com/protocol-and-troubleshooting/](https://www.bosterbio.com/protocol-and-troubleshooting/)

### Anti-Caspase-3(P17)/CASP3 Antibody (PA1961) Images

Anti-Caspase-3 (P17) antibody, PA1961, Western blotting

Recombinant Protein Detection Source: E.coli derived

- recombinant human Caspase3, (p17)11KD

Lane 1: Recombinant Human Caspase-3 (p17) Protein 10ng
Lane 2: Recombinant Human Caspase-3 (p17) Protein 5ng
Lane 3: Recombinant Human Caspase-3 (p17) Protein 2.5ng

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