**BACKGROUND**

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death is finally caused by members of the caspase family of proteases and caspase activated DNases. A novel member in the caspase family was recently identified and designated ERICE (for Evolutionarily Related Interleukin-1 β Converting Enzyme) and caspase-13 (1). Caspase-13 belongs to the ICE subfamily of caspases. Overexpression of caspase-13 induces apoptosis. Caspase-13 is activated by caspase-8, which is a key enzyme in death receptor induced apoptosis. Caspase-13 is expressed in a variety of human tissues and cell lines (1).

**IMMUNOGEN**

Synthetic peptide corresponding to amino acids 91 to 105 of human caspase-13

Western blot analysis using anti-Caspase-13 (CT) antibody at 1 µg/ml on human HL60 cell lysate (1) and mouse (2) and rat (3) brain tissue lysate.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>SIZE</th>
<th>FORM</th>
<th>HOST/CLONE</th>
<th>CONCENTRATION</th>
<th>ISOTYPE</th>
<th>APPLICATIONS</th>
<th>SPECIES Reactivity</th>
<th>ACCESSION NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>X1116P</td>
<td>100 µg</td>
<td>Unconjugated</td>
<td>Rabbit</td>
<td>See vial for concentration</td>
<td>IgG</td>
<td>Western Blot</td>
<td>Human, Mouse, Rat</td>
<td>Bovine O75601</td>
</tr>
</tbody>
</table>

Provided in phosphate buffered saline solution containing 0.02% sodium azide as a preservative.

For research use only. Not for use in human diagnostics or therapeutics.
**POSITIVE CONTROL/TISSUE EXPRESSION**

HL60 cell lysate

**COMMENTS**

Detects caspase-13 at 0.5 to 1 µg/ml by Western blot. Detects a 43 kDa band in HL60 cell lysate. Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**


**PRODUCT SPECIFIC REFERENCES**