Datasheet: AHP966

<table>
<thead>
<tr>
<th>Description:</th>
<th>RABBIT ANTI CASPASE-7 (C-TERMINAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CASPASE-7 (C-TERMINAL)</td>
</tr>
<tr>
<td>Other names:</td>
<td>ICE-LAP3</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Isotype:</td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Product Details**

**RRID** AB_566403

**Applications**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin (1)</td>
<td>2.0ug/ml</td>
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<tr>
<td>ELISA</td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td>1.0ug/ml - 2.0ug/ml</td>
</tr>
</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

**Target Species** Human

**Species Cross Reactivity** Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to human Caspase-7 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.02% Sodium Azide
Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

A 16 amino acid peptide from human Caspase-7 carboxy-terminus

External Database Links

UniProt: P55210 Related reagents

Entrez Gene: 840 CASP7 Related reagents

Synonyms

MCH3

Specificity

Rabbit anti Human caspase-7 antibody recognizes an epitope within the C-terminal region (CT) of Caspase-7, a ~35 kDa cysteine protease, otherwise known as ICE-like Apoptotic Protease 3 (ICE-LAP3).

Caspase-7, a member of the ICE/Ced-3 subfamily, is an executioner caspase which undergoes proteolytic cleavage of its precursor to form active p12 and p20 subunits. Evidence that activation of Caspase-7 occurs during cell death induced by the cytokine death receptors Fas/APO-1 and the receptor of tumour necrosis factor (TNFR-1), coupled with the fact that granzyme-B activated Caspase-7 cleaves the nuclear enzyme poly (ADP-ribose) polymerase (PARP), suggests an important role for Caspase-7 in both cytokine-mediated and granzyme-B mediated apoptosis pathways.

Histology Positive Control Tissue

Skeletal muscle tissue

Further Reading


Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies
Recommended Useful Reagents

- **Sheep Anti Rabbit IgG (STAR34...)**  FITC
- **Goat Anti Rabbit IgG (H/L) (STAR124...)**  HRP
- **Goat Anti Rabbit IgG (Fc) (STAR121...)**  Biotin, FITC, HRP
- **Sheep Anti Rabbit IgG (STAR35...)**  RPE
- **Sheep Anti Rabbit IgG (2AB02...)**  Biotin
- **Sheep Anti Rabbit IgG (STAR36...)**  DyLight®488, DyLight®680, DyLight®800

**ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)**
**ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)**
**TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)**

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