

## Datasheet: AHP1788

<b>Description:</b>	RABBIT ANTI CASPASE-7 (N-TERMINAL)
<b>Specificity:</b>	CASPASE-7 (N-TERMINAL)
<b>Other names:</b>	ICE-LAP3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5ug/ml

Where this product 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 product 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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antiserum to human Caspase-7 (NT) was raised by repeated immunisation of rabbits with

highly purified antigen. Purified IgG was prepared by affinity chromatography.

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<b>Buffer Solution</b>	Phosphate buffered saline.
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<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ).
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml.
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<b>Immunogen</b>	A 16 amino acid peptide from human Caspase-7 amino-terminus.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P55210</a> <a href="#">Related reagents</a> <a href="#">P97864</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">840</a> CASP7 <a href="#">Related reagents</a> <a href="#">12369</a> Casp7 <a href="#">Related reagents</a>
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<b>Synonyms</b>	Lice2, Mch3, MCH3
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<b>RRID</b>	AB_2068005
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<b>Specificity</b>	<p><b>Rabbit anti Caspase-7 (N-Terminal) antibody</b> recognizes an epitope within the N-Terminal region (NT) of Caspase-7, a ~35 kDa cysteine protease, otherwise known as ICE-like Apoptotic Protease 3 (ICE-LAP3).</p> <p>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.</p>
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<b>Histology Positive Control Tissue</b>	Skeletal muscle.
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<b>Western Blotting</b>	Rabbit anti human caspase-7 antibody detects a band of approximately 30kDa in human skeletal muscle cell lysate.
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Duan, H. <i>et al.</i> (1996) ICE-LAP3, a novel mammalian homologue of the Caenorhabditis elegans cell death protein Ced-3 is activated during Fas- and tumor necrosis factor-induced apoptosis. <a href="#">J Biol Chem. 271 (3): 1621-5.</a></li><li>2. Juan, T.S. <i>et al.</i> (1997) Identification and mapping of Casp7, a cysteine protease resembling CPP32 beta, interleukin-1 beta converting enzyme, and CED-3. <a href="#">Genomics. 40 (1): 86-93.</a></li></ol>
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3. Cohen, G.M. (1997) Caspases: the executioners of apoptosis. [Biochem J. 326 \( Pt 1\): 1-16.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M382706:210513'

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