

Datasheet: AHP966

**BATCH NUMBER 159452**

<b>Description:</b>	RABBIT ANTI CASPASE-7 (C-TERMINAL)
<b>Specificity:</b>	CASPASE-7 (C-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)	▪			2.0ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1.0ug/ml - 2.0ug/ml

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. 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.

### 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.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** 0.02% Sodium Azide

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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

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**External Database Links**

**UniProt:**  
[P55210](#)    [Related reagents](#)

**Entrez Gene:**  
[840](#)    CASP7    [Related reagents](#)

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**Synonyms** MCH3

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**RRID** AB\_566403

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**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.

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**Histology Positive Control Tissue** Skeletal muscle tissue

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**Further Reading**

1. Duan, H. *et al.* (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. [J Biol Chem. 271 \(3\): 1621-5.](#)
2. Juan, T.S. *et al.* (1997) Identification and mapping of Casp7, a cysteine protease resembling CPP32 beta, interleukin-1 beta converting enzyme, and CED-3. [Genomics. 40 \(1\): 86-93.](#)
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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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP966">https://www.bio-rad-antibodies.com/SDS/AHP966</a> 10040
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<b>Regulatory</b>	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://bio-rad-antibodies.com/datasheets)

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Printed on 18 Jan 2024