

Datasheet: AHP967

**BATCH NUMBER 157981**

<b>Description:</b>	RABBIT ANTI CASPASE-8 (C-TERMINAL)
<b>Specificity:</b>	CASPASE-8 (C-TERMINAL)
<b>Other names:</b>	FLICE
<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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5ug/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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat, Mouse

**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-8 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	A 16 amino acid peptide located near the carboxy-terminus of human caspase-8 isoform A.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q14790</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">841</a>    CASP8    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	MCH5
<b>RRID</b>	AB_2069877
<b>Specificity</b>	<p><b>Rabbit anti Human caspase-8 antibody</b> recognizes an epitope within the c-terminal region (CT) of caspase-8, otherwise known as Fas-linked ICE-like protease (FLICE), which shares homology with both Fas-associated via death domain (FADD) and the ICE/Ced-3 family of cysteine proteases.</p> <p>Caspase-8 is classified as an initiator caspase and acts as the most upstream trigger of Fas-Receptor (CD95) and tumour necrosis factor receptor 1 (TNFR1) mediated apoptosis. Upon activation, the cell death receptor Fas, links with the adaptor molecule FADD via corresponding death domains (DD). FADD in turn then binds via death effector domains (DEDs) to procaspase-8, which then undergoes oligomerization and autocatalytic activation.</p> <p>Active Caspase-8 is capable of cleaving all other known caspases, and also cleaves the Bcl-2 family member BH3-interacting domain death agonist (BID), along with the Bcl-2 associated protein p28Bap31 (<a href="#">Wolf &amp; Green 1999</a>).</p>
<b>Western Blotting</b>	AHP967 detects a cleaved subunit band of approximately 22.5kDa in Jurkat cell lysates (predicted precursor MWt 57.7kDa).
<b>References</b>	1. Umezaki, Y. <i>et al.</i> (2011) Blocking synaptic transmission with tetanus toxin light chain reveals modes of neurotransmission in the PDF-positive circadian clock neurons of <i>Drosophila melanogaster</i> . <a href="#">J Insect Physiol. 57 (9): 1290-9.</a>
<b>Further Reading</b>	<p>1. Muzio, M. <i>et al.</i> (1996) FLICE, a novel FADD-homologous ICE/CED-3-like protease, is recruited to the CD95 (Fas/APO-1) death--inducing signaling complex. <a href="#">Cell. 85 (6): 817-27.</a></p> <p>2. Wolf, B.B. &amp; Green, D.R. (1999) Suicidal tendencies: apoptotic cell death by caspase</p>

family proteinases. [J Biol Chem. 274 \(29\): 20049-52.](#)

3. Cohen, G.M. (1997) Caspases: the executioners of apoptosis. [Biochem J. 326 \( Pt 1\): 1-16.](#)

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<b>Storage</b>	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP967">https://www.bio-rad-antibodies.com/SDS/AHP967</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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