

Datasheet: AHP967

Description:	RABBIT ANTI CASPASE-8 (C-TERMINAL)
Specificity:	CASPASE-8 (C-TERMINAL)
Other names:	FLICE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.
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.
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 located near the carboxy-terminus of human caspase-8 isoform A.

**External Database
Links**

UniProt:

[Q14790](#) [Related reagents](#)

Entrez Gene:

[841](#) CASP8 [Related reagents](#)

Synonyms

MCH5

Specificity

Rabbit anti Human caspase-8 antibody 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.

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.

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 ([Wolf & Green 1999](#)).

Western Blotting

AHP967 detects a cleaved subunit band of approximately 22.5kDa in Jurkat cell lysates (predicted precursor MWt 57.7kDa).

Further Reading

1. Muzio, M. *et al.* (1996) FLICE, a novel FADD-homologous ICE/CED-3-like protease, is recruited to the CD95 (Fas/APO-1) death-inducing signaling complex. [Cell. 85 \(6\): 817-27.](#)
2. Wolf, B.B. & Green, D.R. (1999) Suicidal tendencies: apoptotic cell death by caspase 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.](#)

Storage

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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