

Datasheet: AHP2717

**BATCH NUMBER 163879**

<b>Description:</b>	RABBIT ANTI CASPASE-3
<b>Specificity:</b>	CASPASE-3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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
Immunohistology - Paraffin	▪			1/50 - 1/200
Western Blotting	▪			1/500 - 1/2000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat

Based on sequence similarity, is expected to react with: 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

Antiserum to caspase-3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative</b>	0.05% Proclin™300
<b>Stabilisers</b>	50% Glycerol
<b>Immunogen</b>	Recombinant human caspase-3
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P42574</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">836</a>    CASP3    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CPP32
<b>Specificity</b>	<p><b>Rabbit anti caspase-3 antibody</b> recognizes caspase-3 also known as cysteine protease CPP32. Caspase-3, as the name implies, is a member of the cysteine-aspartic acid protease (caspase) protein family.</p> <p>Caspase-3 is an effector caspase that is activated by both the intrinsic and extrinsic apoptosis pathways. Caspase-3 is cleaved from an inactive 32 kDa zymogen/pro-enzyme into p17 and p12 subunits by the activated initiator caspases 9 and 8 in apoptotic cells. These subunits dimerize to form the active caspase 3 protein that cleaves and activates caspase-6 and 2. Through the activation/cleavage of downstream caspases, caspase-3 plays an important role in mediating apoptosis signaling.</p>
<b>Western Blotting</b>	Rabbit anti caspase-3 antibody detects a band of approximately 32 kDa in Jurkat cell lysate under reducing conditions
<b>Storage</b>	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20376 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2717">https://www.bio-rad-antibodies.com/SDS/AHP2717</a> 20376
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

## Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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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