

Datasheet: AHP2286

Description:	RABBIT ANTI CASPASE-3 (ACTIVE)
Specificity:	CASPASE-3 (ACTIVE)
Other names:	apopain, CPP32
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Immunohistology - Paraffin	▪			20 - 40 ug/ml
Western Blotting	▪			0.5 - 4.0 ug/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.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react 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

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

30% Glycerol
0.5% Bovine Serum Albumin
5mM EDTA
0.03% Proclin 300

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Synthetic peptide mapping to the N-terminus adjacent to the cleavage site of human caspase-3
External Database Links	<p>UniProt: P42574 Related reagents</p> <p>Entrez Gene: 836 CASP3 Related reagents</p>
Synonyms	CPP32
Specificity	Rabbit anti caspase-3 antibody recognizes caspase-3 also known as cysteine protease CPP32. Caspase-3 as the name implies is a member of the cysteine-aspartic acid protease family. Caspase-3 gets cleaved from an inactive 32 kDa zymogen into p17 and p12 chains. These two subunits dimerize to form the active caspase 3 protein, which acts as an effector caspase that cleaves and activates caspase-6, 7 and 9. Via this process caspase-3 plays an important role in mediating apoptosis.
Western Blotting	Rabbit anti caspase -3 recognizes the p17 fragment of the active caspase-3 (approximately 17 kDa) in lysate from Jurkat cells treated with 2 µM camptothecin.
Storage	Store at -20°C Storage in frost-free freezers is not recommended. 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.
Guarantee	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #20377 available at: https://www.bio-rad-antibodies.com/SDS/AHP2286 20377
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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)

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