

Datasheet: AHP2717

BATCH NUMBER 141649

Description:	RABBIT ANTI CASPASE-3
Specificity:	CASPASE-3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/50 - 1/200
Western Blotting	▪			1/500 - 1/2000

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

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

Preservative Stabilisers

0.02% Sodium Azide

50% Glycerol

Immunogen Recombinant human caspase-3

External Database Links

UniProt:

[P42574](#) [Related reagents](#)

Entrez Gene:

[836](#) CASP3 [Related reagents](#)

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 (caspase) protein family. 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.

Western Blotting Rabbit anti caspase-3 antibody detects a band of approximately 32 kDa in Jurkat cell lysate under reducing conditions

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 #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2717>
10049

Regulatory 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 America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M390786:211004'

Printed on 12 Sep 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)