

Datasheet: AHP2717

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.
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	0.02% Sodium Azide
Stabilisers	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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.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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