

Datasheet: AHP486

Description:	RABBIT ANTI MOUSE CAD (aa205-222)
Specificity:	CAD (aa205-222)
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 (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Mouse
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to murine CAD were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG 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	Synthetic peptide corresponding to amino acids 205-222 of mouse CAD.
External Database Links	<p>UniProt: O54788 Related reagents</p> <p>Entrez Gene: 13368 Dffb Related reagents</p>
Synonyms	Cad
RRID	AB_322892
Specificity	<p>Rabbit anti Murine CAD antibody recognizes murine CAD (Caspase Activated Deoxyribonuclease), the murine homologue of human DFF-40.</p> <p>CAD is released and activated by caspase cleavage of ICAD, and eventually causes degradation of nuclear DNA.</p> <p>Rabbit anti Murine CAD antibody recognizes a band of ~40 kDa in western blotting.</p>
Further Reading	<ol style="list-style-type: none"> Enari, M. <i>et al.</i> (1998) A caspase-activated DNase that degrades DNA during apoptosis, and its inhibitor ICAD. Nature. 391 (6662): 43-50. Sakahira, H. <i>et al.</i> (1998) Cleavage of CAD inhibitor in CAD activation and DNA degradation during apoptosis. Nature. 391 (6662): 96-9. Liu, X. <i>et al.</i> (1997) DFF, a heterodimeric protein that functions downstream of caspase-3 to trigger DNA fragmentation during apoptosis. Cell. 89 (2): 175-84.
Storage	<p>Store at +4°C or at -20°C if preferred.</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>
Guarantee	12 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](#)

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

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

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

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