

Datasheet: AHP1255

Description:	GOAT ANTI CRMP2 (C-TERMINAL)
Specificity:	CRMP2 (C-TERMINAL)
Other names:	COLLAPSIN RESPONSE MEDIATOR PROTEIN 2
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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			▪	
ELISA	▪			1/10000
Immunoprecipitation			▪	
Western Blotting	▪			1/3000

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
Product Form	Serum - liquid
Antiserum Preparation	Antisera to CRMP2 (C-terminal) were raised by repeated immunisations of goats with highly purified antigen.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide corresponding amino acid sequence 543-557 of human CRMP2.
External Database Links	<p>UniProt: Q16555 Related reagents</p> <p>Entrez Gene: 1808 DPYSL2 Related reagents</p>
Synonyms	CRMP2, ULIP2

Specificity	<p>Goat anti Human CRMP2 antibody recognises the carboxy-terminal region of human collapsin response mediator protein 2 (CRMP2), a ubiquitously expressed, ~62 kDa member of the dehydropyrimidinase family. It is involved in axon formation and outgrowth by transporting to axons, the actin cytoskeleton regulating; Rac1-associated protein 1 (Sra-1)/WASP family verprolin-homologous protein 1 (WAVE1) complex.</p> <p>CRMP2 also regulates axon formation and branching by binding tubulin heterodimers thereby enhancing microtubule polymerisation. Through its interaction with ROKalpha, CRMP2 is also thought to play a role in RhoA-dependent signalling. CRMP2 is associated with mesial temporal lobe epilepsy and schizophrenia.</p>
Western Blotting	AHP1255 detects bands of approximately 62 and 124kDa in human Alzheimer disease brain cell lysates.
References	1. Kawano, Y. <i>et al.</i> (2005) CRMP-2 is involved in kinesin-1-dependent transport of the Sra-1/WAVE1 complex and axon formation. Mol Cell Biol. 25 (22): 9920-35.
Storage	<p>Store at +4°C or at -20°C if preferred.</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>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10081 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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