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Polyclonal Antibody to CRMP2 (C-term) - Serum

Alternate names: COLLAPSIN RESPONSE MEDIATOR PROTEIN 2

Catalog No.: AP05645SU-N

Quantity: 0.1 ml

Background: CRMP2 is 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. 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.

Host / Isotype: Goat / IgG

Immunogen: Synthetic peptide corresponding amino acid sequence 543-557 of human CRMP2.

Format: **State:** Liquid serum containing 0.09% Sodium Azide (NaN3)

Applications: ELISA: 1:10000.
Western Blot: 1:3000; detects bands of approximately 62 and 124kDa in human Alzheimer disease brain cell lysates.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises collapsin response mediator protein 2 (CRMP2), a ubiquitously expressed.
Species: Human.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

General Readings: 1. Kawano, Y. et al. (2005) CRMP2 is involved in kinesin1dependent transport of the Sra1/WAVE1 complex and axon formation. Mol. Cell. Biol. 25:9920 - 9935.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com