

AP05990SU-N**Polyclonal Antibody to DPYSL3 / CRMP4 - Serum****Alternate names:**

CRMP-4, Collapsin response mediator protein 4, DRP-3, DRP3, Dihydropyrimidinase-related protein 3, TUC-4, ULIP, ULIP-1, ULIP1, Unc-33-like phosphoprotein 1

Quantity:

0.1 ml

Background:

The collapsin response mediator protein (CRMP) family of five cytosolic phosphoproteins are highly expressed throughout brain development. The functions of CRMPs encompass signal transduction in developmental guidance cues as well as multiple cellular and molecular events involved in apoptosis/proliferation, cell migration, and differentiation. In the adult brain, the expression of CRMPs is dramatically downregulated. However, CRMPs remain expressed in structures that retain their capacity for differentiation and plasticity. The expression of CRMPs is altered in neurodegenerative diseases, and these proteins may have a role in the physiopathology of the adult nervous system.

Uniprot ID:

[Q14195](#)

NCBI:

[NP_001184223.1](#)

GeneID:

[1809](#)

Host / Isotype:

Rabbit / IgG

Immunogen:

Peptide with the sequence YDGPVFDLTTTPK.

Format:

State: Liquid Serum

Preservatives: 0.2% Sodium Azide

Applications:

Western Blot.

Immunoprecipitation.

Immunohistochemistry on Frozen Sections.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognises TUC-4 (also known as CRMP-4 or Ulip-1), a signalling protein showing high expression in neurons during axonal growth.

This antibody does not recognises TUC-1, TUC-2, or TUC-3 proteins.

Species: Human, Mouse, Rat, Cat, Monkey.

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.