

CRMP1 Antibody

Catalog No: #31173

Package Size: #31173-1 50ul #31173-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CRMP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total CRMP1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 507-522 amino acids of Human collapsin response mediator protein 1
Target Name	CRMP1
Other Names	collapsin response mediator protein 1, DRP1, DRP-1, CRMP-1, DPYSL1, ULIP-3
Accession No.	Swiss-Prot:Q14194Gene ID:1400;
Uniprot	Q14194
GeneID	1400;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

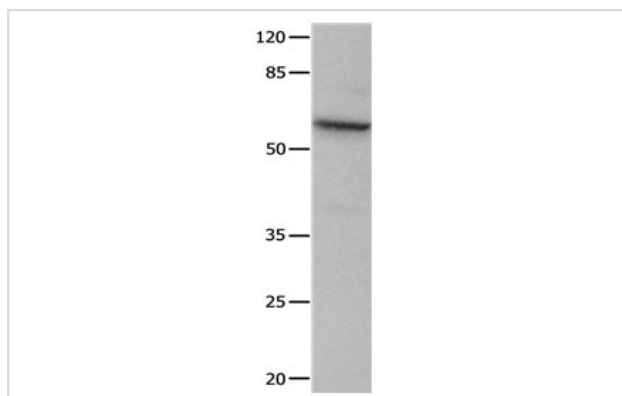
Predicted MW: 62kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:1000

Immunohistochemistry: 1:25-1:100

Images



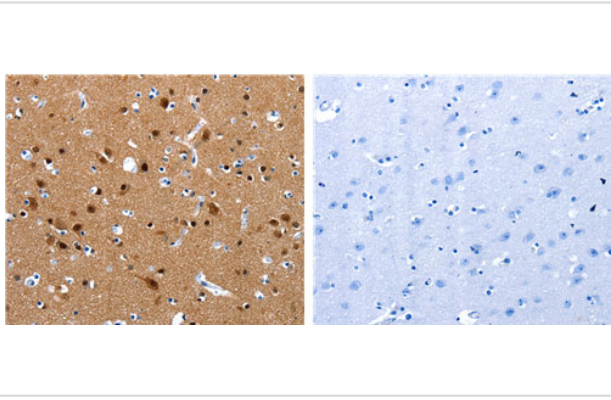
Gel: 10%SDS-PAGE

Lysate: 30 µg Mouse brain tissue lysate

Primary antibody: 1/500 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 20 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 31173 (CRMP1 Antibody) at dilution 1/15, on the right is treated with the synthetic peptide.

Background

Collapsin response mediator protein 1, encoded by the *CRMP1* gene, is a human protein of the CRMP family. This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants. CRMP1 mediates reelin signaling in cortical neuronal migration. Mice deficient in CRMP1 exhibit impaired long-term potentiation and impaired spatial learning and memory. CRMP1 gene overlaps with another gene called EVC. CRMP1 has been shown to interact with DPYSL2.

Note: This product is for in vitro research use only