

Product Name: KD-Validated Collapsin Response Mediator Protein 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01661

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 62.2kDa

Antigen Information

Gene Name	CRMP1 CRMP1; Collapsin Response Mediator Protein 1; DPYSL1; DRP-1; Dihydropyrimidinase-
Alternative Names	Related Protein 1; Inactive Dihydropyrimidinase; Unc-33-Like Phosphoprotein 3; CRMP-1; ULIP-3; Dihydropyrimidinase-Like 1; ULIP3; DRP1
Gene ID	1400.0
SwissProt ID	Q14194
Immunogen	A synthesized peptide derived from human CRMP1

Background

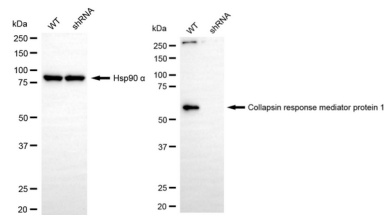
This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The

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. [provided by RefSeq, Jul 2008]

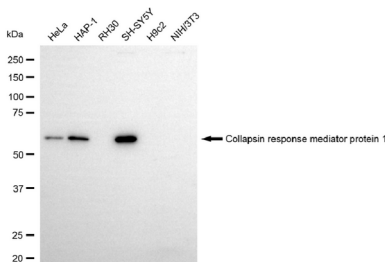
Research Area

Neuroscience

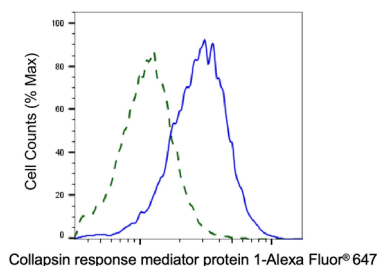
Image Data



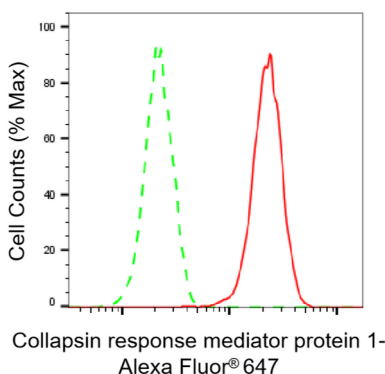
Western blotting analysis using collapsin response mediator protein 1 antibody (KVA01661). Collapsin response mediator protein 1 expression in wild-type (WT) and collapsin response mediator protein 1 (CRMP1) shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with collapsin response mediator protein 1 antibody (KVA01661, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using collapsin response mediator protein 1 antibody (KVA01661). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with collapsin response mediator protein 1 antibody (KVA01661, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Collapsin response mediator protein 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HSHC cells were stained with Collapsin response mediator protein 1 antibody (KVA01661, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Collapsin response mediator protein 1 expression in HAP-1 cells using Collapsin response mediator protein 1 antibody (KVA01661, 1:2,000). Green, isotype control; red, Collapsin response mediator protein 1.