

## ARG42631 anti-CRMP1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CRMP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CRMP1
Species	Human
Immunogen	Synthetic peptide derived from Human CRMP1.
Conjugation	Un-conjugated
Alternate Names	Collapsin response mediator protein 1; DPYSL1; Dihydropyrimidinase-related protein 1; DRP1; DRP-1; ULIP-3; CRMP-1; Unc-33-like phosphoprotein 3

### Application Instructions

Application table	Application	Dilution
	FACS	1:30
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:40
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	
Observed Size	~ 62 kDa	

### Properties

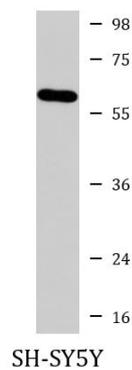
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

<b>Gene Symbol</b>	CRMP1
<b>Gene Full Name</b>	collapsin response mediator protein 1
<b>Background</b>	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]
<b>Function</b>	Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton (PubMed:25358863). Plays a role in axon guidance (PubMed:25358863). During the axon guidance process, acts downstream of SEMA3A to promote FLNA dissociation from F-actin which results in the rearrangement of the actin cytoskeleton and the collapse of the growth cone (PubMed:25358863). Involved in invasive growth and cell migration (PubMed:11562390). May participate in cytokinesis (PubMed:19799413). [UniProt]
<b>Calculated Mw</b>	62 kDa
<b>Cellular Localization</b>	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Associated with centrosomes and the mitotic spindle during metaphase. [UniProt]

## Images



ARG42631 anti-CRMP1 antibody WB image

Western blot: SH-SY5Y cell lysate stained with ARG42631 anti-CRMP1 antibody.