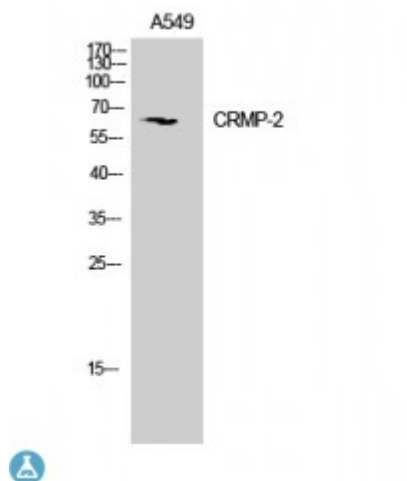


Anti-CRMP-2 antibody



Description	Rabbit polyclonal to CRMP-2.
Model	STJ92480
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CRMP-2 around the non-phosphorylation site of T514.
Immunogen Region	450-530 aa
Gene ID	1808
Gene Symbol	DPYSL2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	CRMP-2 Polyclonal Antibody detects endogenous levels of CRMP-2 protein.
Tissue Specificity	Ubiquitous.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Dihydropyrimidinase-related protein 2 DRP-2 Collapsin response mediator protein 2 CRMP-2 N2A3 Unc-33-like phosphoprotein 2 ULIP-2
Molecular Weight	62 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3014OMIM:602463
Alternative Names	Dihydropyrimidinase-related protein 2 DRP-2 Collapsin response mediator protein 2 CRMP-2 N2A3 Unc-33-like phosphoprotein 2 ULIP-2
Function	Plays a role in neuronal development and polarity, as well as in axon growth and guidance, neuronal growth cone collapse and cell migration. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. May play a role in endocytosis.
Cellular Localization	Cytoplasm, cytosol Cytoplasm, cytoskeleton Membrane. Tightly but non-covalently associated with membranes.
Post-translational Modifications	3F4, a monoclonal antibody which strongly stains neurofibrillary tangles in Alzheimer disease brains, specifically labels DPYSL2 when phosphorylated on Ser-518, Ser-522 and Thr-509. Phosphorylation at Thr-514 by GSK3B abolishes tubulin-binding leading to destabilization of microtubule assembly in axons and neurodegeneration . Phosphorylation by DYRK2 at Ser-522 is required for subsequent phosphorylation by GSK3B.