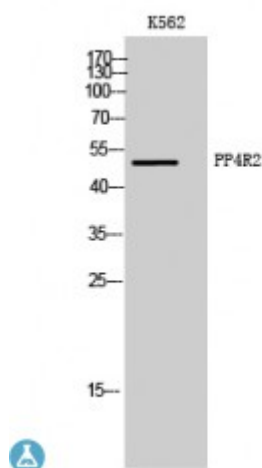


Anti-PP4R2 antibody



Description	Rabbit polyclonal to PP4R2.
Model	STJ95199
Host	Rabbit
Reactivity	Human, Simian
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PP4R2
Immunogen Region	140-220 aa, Internal
Gene ID	151987
Gene Symbol	PPP4R2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	PP4R2 Polyclonal Antibody detects endogenous levels of PP4R2 protein.
Tissue Specificity	Widely expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Serine/threonine-protein phosphatase 4 regulatory subunit 2
Molecular Weight	50 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:18296 OMIM:613822
Alternative Names	Serine/threonine-protein phosphatase 4 regulatory subunit 2
Function	Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers. Its interaction with the SMN complex leads to enhance the temporal localization of snRNPs, suggesting a role of PPP4C in maturation of spliceosomal snRNPs. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on 'Ser-140' (gamma-H2AFX) generated during DNA replication and required for DNA double strand break repair. Mediates RPA2 dephosphorylation by recruiting PPP4C to RPA2 in a DNA damage-dependent manner. RPA2 dephosphorylation is required for the efficient RPA2-mediated recruitment of RAD51 to chromatin following double strand breaks, an essential step for DNA repair.
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Ionizing radiation induces relocalization to nuclear foci and colocalization with RPA2.

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