



# PP4R2 Monoclonal Antibody

Catalog No	BYmab-14954
Isotype	IgG
Reactivity	Human;Monkey
Applications	WB
Gene Name	PPP4R2
Protein Name	Serine/threonine-protein phosphatase 4 regulatory subunit 2
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP4R2. AA range:171-220
Specificity	PP4R2 Monoclonal Antibody detects endogenous levels of PP4R2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PPP4R2; SBBI57; Serine/threonine-protein phosphatase 4 regulatory subunit 2
Observed Band	50kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Ionizing radiation induces relocalization to nuclear foci and colocalization with RPA2.
Tissue Specificity	Widely expressed.
Function	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 DSB repair.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the PPP4R2 family.,subunit:Serine/threonine-protein phosphatase 4 (PP4) occurs in different assemblies of the catalytic and one or more regulatory subunits. Component of

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the PP4 complexes PPP4C-PPP4R2, PPP4C-PPP4R2-PPP4R3A and PPP4C-PPP4R2-PPP4R3B. The PPP4C-PPP4R2 complex appears to be a tetramer composed of 2 m

#### Background

The protein encoded by this gene is a regulatory subunit of the serine/threonine-protein phosphatase 4 complex. In addition to being required for efficient DNA double strand break repair, this complex plays a role in organization of microtubules at centrosomes and processing of spliceosomal snRNPs. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015],

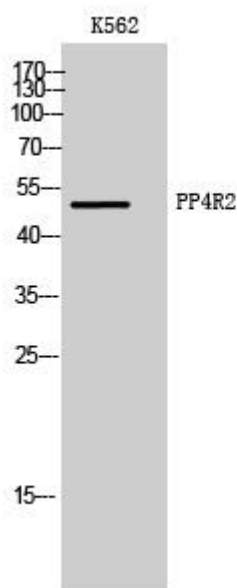
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using PP4R2 Monoclonal Antibody