



PP4R2 Polyclonal Antibody

Catalog No	BYab-14954
Isotype	IgG
Reactivity	Human;Monkey
Applications	WB;IHC;IF;ELISA
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 Polyclonal Antibody detects endogenous levels of PP4R2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PPP4R2; SBB157; 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!

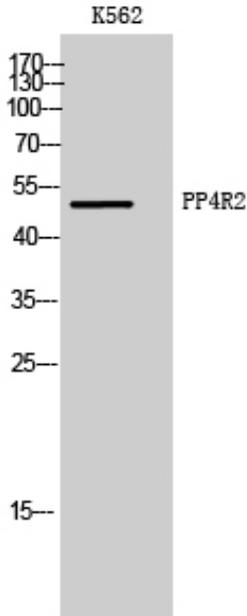
Usage suggestions

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

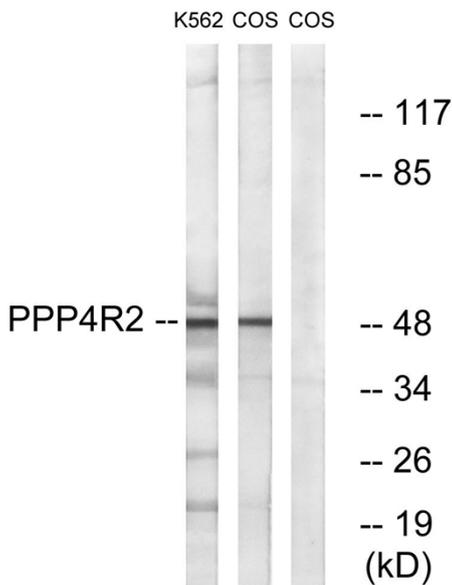


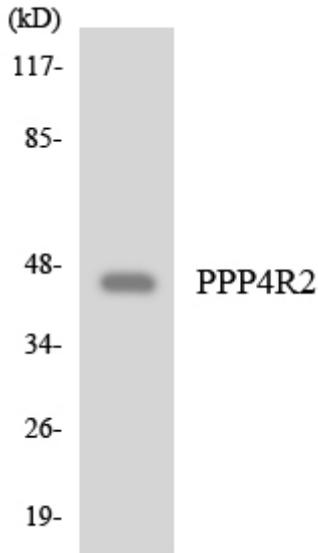
Products Images

Western Blot analysis of K562 cells using PP4R2 Polyclonal Antibody

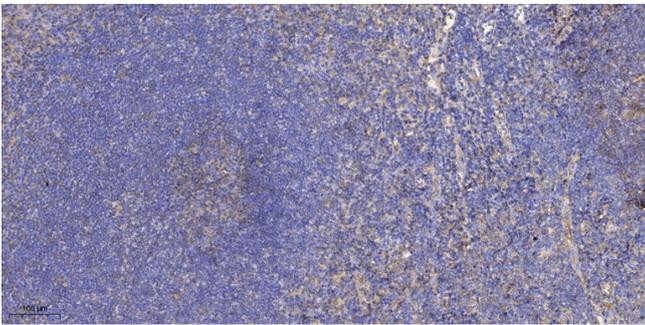


Western blot analysis of lysates from K562 and COS7 cells, using PPP4R2 Antibody. The lane on the right is blocked with the synthesized peptide.





Western blot analysis of the lysates from COLO205 cells using PPP4R2 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).