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PPP2R2A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20472a

Specification

PPP2R2A Antibody (N-term) - Product Information

Application	**IHC-P, IF, WB,E**
Primary Accession	P63151
Other Accession	P36876, P63150, Q29090, Q6P1F6, Q4R7Z4
Reactivity	**Human**
Predicted	**Monkey, Mouse, Pig, Rabbit, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51692**
Antigen Region	**43-71**

PPP2R2A Antibody (N-term) - Additional Information

Gene ID 5520

Other Names
Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform, PP2A subunit B isoform B55-alpha, PP2A subunit B isoform PR55-alpha, PP2A subunit B isoform R2-alpha, PP2A subunit B isoform alpha, PPP2R2A

Target/Specificity
This PPP2R2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-71 amino acids from the N-terminal region of human PPP2R2A.

Dilution
IHC-P~~1:25
IF~~1:25
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PPP2R2A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PPP2R2A Antibody (N-term) - Protein Information

Name PPP2R2A

Function Substrate-recognition subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit (PubMed:1849734, PubMed:33108758). Involved in chromosome clustering during late mitosis by mediating dephosphorylation of MKI67 (By similarity). Essential for serine/threonine-protein phosphatase 2A- mediated dephosphorylation of WEE1, preventing its ubiquitin-mediated proteolysis, increasing WEE1 protein levels, and promoting the G2/M checkpoint (PubMed:33108758).

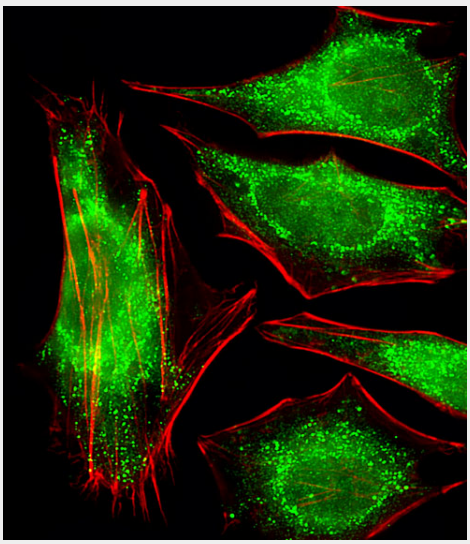
Tissue Location
Expressed in all tissues examined.

PPP2R2A Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PPP2R2A Antibody (N-term) - Images



Fluorescent image of Hela cells stained with PPP2R2A Antibody (N-term)(Cat#AP20472A). AP20472A was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

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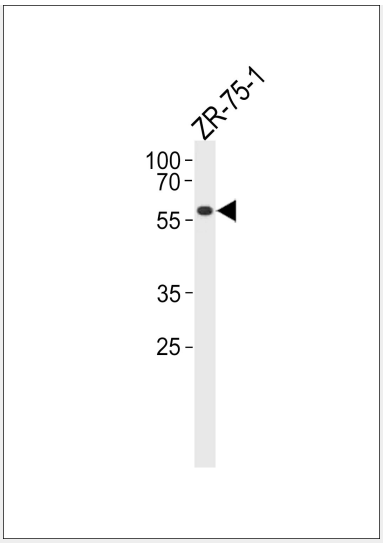
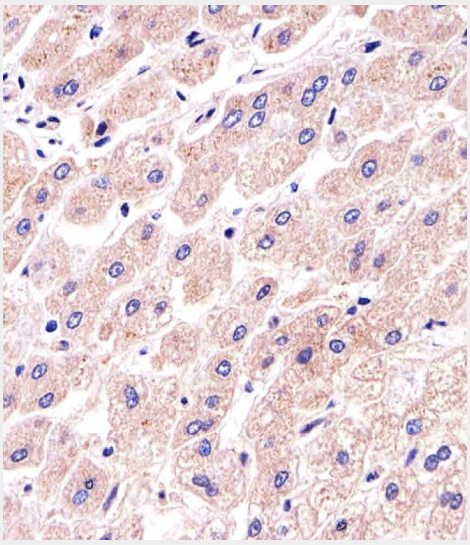


PPP2R2A Antibody (N-term) (Cat. #AP20472a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PPP2R2A antibody detected the PPP2R2A protein (arrow).



Immunohistochemical analysis of paraffin-embedded H. liver section using PPP2R2A Antibody (N-term)(Cat#AP20472A). AP20472A was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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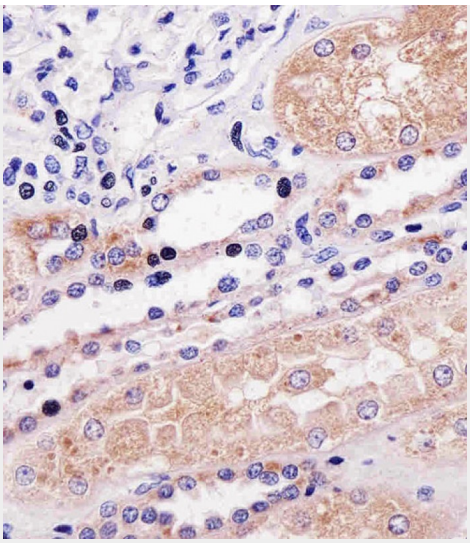

Immunohistochemical analysis of paraffin-embedded H. kidney section using PPP2R2A Antibody (N-term)(Cat#AP20472A). AP20472A was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

PPP2R2A Antibody (N-term) - Background

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.

PPP2R2A Antibody (N-term) - References

Mayer R.E., et al. Biochemistry 30:3589-3597(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Nusbaum C., et al. Nature 439:331-335(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Li H.H., et al. EMBO J. 26:402-411(2007).