

**PPP2R2A Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20472a**

**Specification**

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**PPP2R2A Antibody (N-term) - Product Information**

Application	IF, WB, IHC-P,E
Primary Accession	<a href="#">P63151</a>
Other Accession	<a href="#">P36876</a> , <a href="#">P63150</a> , <a href="#">Q29090</a> , <a href="#">O6P1F6</a> , <a href="#">Q4R7Z4</a>
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**

IF~~1:25  
WB~~1:1000  
IHC-P~~1:25

**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** 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. 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](#)).

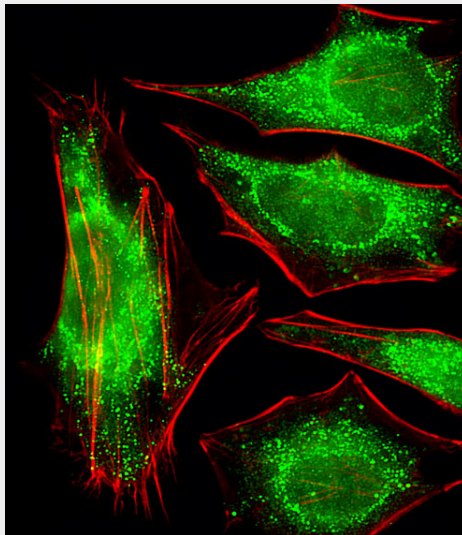
**Tissue Location**

Expressed in all tissues examined.

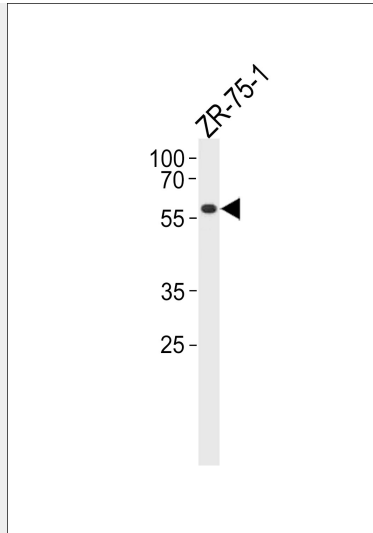
**PPP2R2A Antibody (N-term) - Protocols**

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

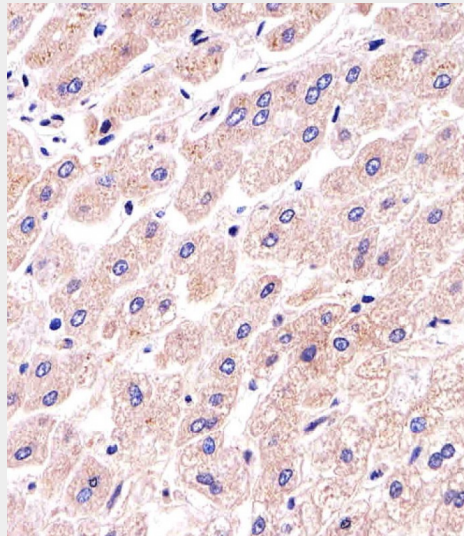
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PPP2R2A Antibody (N-term) - Images**

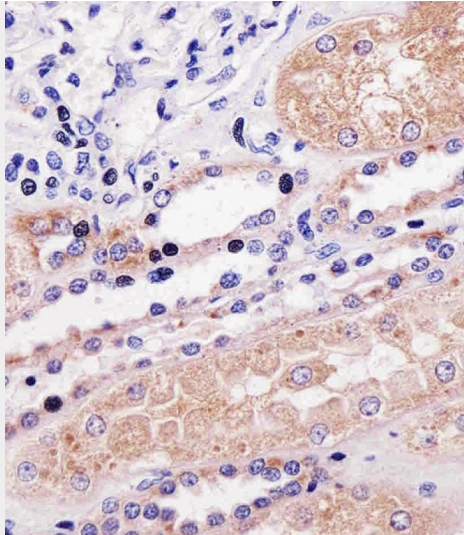
Fluorescent image of HeLa cells stained with PPP2R2A Antibody (N-term)(Cat#AP20472A). AP20472A was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated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



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.



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).