

2ABA Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16117**Specification**

2ABA Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P63151
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa KDa

2ABA Antibody - N-terminal region - Additional Information**Gene ID** 5520**Alias Symbol** **PPP2R2A,**
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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-2ABA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

2ABA Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

2ABA Antibody - N-terminal region - 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](http://www.uniprot.org/citations/1849734), PubMed: [33108758](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/33108758)).

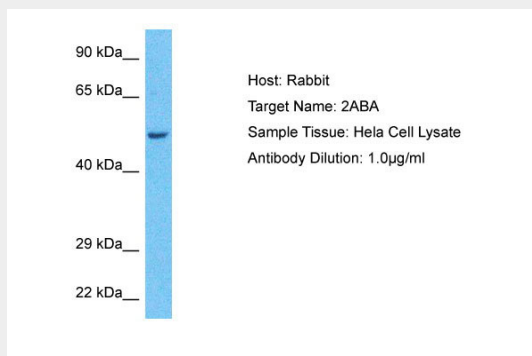
Tissue Location

Expressed in all tissues examined.

2ABA Antibody - N-terminal region - 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](#)

2ABA Antibody - N-terminal region - Images

Host: Rabbit
Target Name: 2ABA
Sample Tissue: Hela Whole Cell lysates
Antibody Dilution: 1.0µg/ml

2ABA Antibody - N-terminal region - 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.

2ABA Antibody - N-terminal region - 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).