

**PP2A alpha and beta Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52702**

**Specification**

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**PP2A alpha and beta Antibody - Product Information**

Application	<b>IP, WB</b>
Primary Accession	<a href="#">P62714</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a</b>
Calculated MW	<b>36 KDa</b>

**PP2A alpha and beta Antibody - Additional Information**

**Gene ID** 5516

**Other Names**

PP2A beta;PP2A-beta;PP2AB\_HUMAN;PP2Abeta;PP2CB;Ppp2cb;Protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform;Protein phosphatase 2 catalytic subunit beta isozyme;Protein phosphatase 2, catalytic subunit, beta isoform;Protein phosphatase 2A catalytic subunit beta isoform;Protein phosphatase type 2A catalytic subunit;Serine/threonine protein phosphatase 2A catalytic subunit beta;Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform.

**Dilution**

IP~~1:500  
WB~~1:2000

**Format**

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide,50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**PP2A alpha and beta Antibody - Protein Information**

**Name** PPP2CB ([HGNC:9300](#))

**Function**

Catalytic subunit of protein phosphatase 2A (PP2A), a serine/threonine phosphatase involved in the regulation of a wide variety of enzymes, signal transduction pathways, and cellular events (Probable). PP2A can modulate the activity of phosphorylase B kinase, casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.

**Cellular Location**

Cytoplasm. Nucleus. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle pole. Note=In

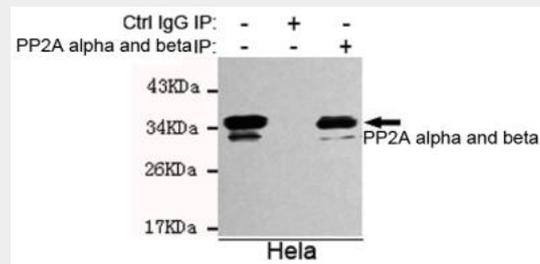
prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis, also found at spindle poles

### PP2A alpha and beta Antibody - Protocols

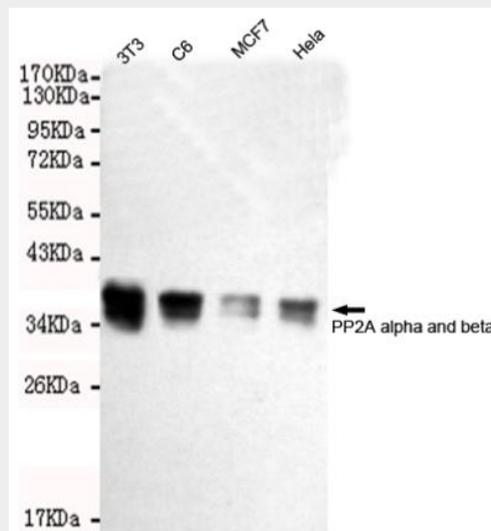
Provided below are standard protocols that you may find useful for product applications.

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

### PP2A alpha and beta Antibody - Images



Immunoprecipitation analysis of HeLa cell lysates using PP2A alpha and beta mouse mAb.



Western blot detection of PP2A alpha and beta in HeLa, MCF7, C6 and 3T3 cell lysates using PP2A alpha and beta mouse mAb (1:2000 diluted). Predicted band size: 36KDa. Observed band size: 36KDa.

### PP2A alpha and beta Antibody - Background

PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.

**PP2A alpha and beta Antibody - References**

- Hemmings B.A., et al. *Nucleic Acids Res.* 16:11366-11366(1988).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
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Arino J., et al. *Proc. Natl. Acad. Sci. U.S.A.* 85:4252-4256(1988).  
Khew-Goodall Y., et al. *Biochemistry* 30:89-97(1991).