**Applications** 

WB,IHC



# PP2A-B56-α Rabbit pAb

CatalogNo: YT3828

## **Key Features**

Host Species Reactivity

Rabbit
 Human, Mouse, Rat

MW Isotype
• 57kD (Observed) • IgG

### **Recommended Dilution Ratios**

WB 1:500-2000 IHC 1:50-300

## Storage

Storage\* -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### **Basic Information**

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PPP2R5A.

AA range:321-370

**Specificity** PP2A-B56- $\alpha$  Polyclonal Antibody detects endogenous levels of PP2A-B56- $\alpha$  protein.

## | Target Information

Gene name PPP2R5A

#### **Protein Name**

Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform

Organism	Gene ID	UniProt ID
Human	<u>5525</u> ;	<u>Q15172;</u>
Mouse	226849;	Q6PD03;

#### Cellular Localization

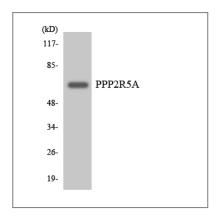
Cytoplasm . Nucleus . Chromosome, centromere . From mitotic prophase to metaphase, localizes at the inner centromere between a pair of sister kinetochores. Decreased expression at the onset of anaphase. .

**Tissue specificity** Widely expressed with the highest expression in heart and skeletal muscle.

#### **Function**

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.,PTM:Phosphorylated on serine residues.,similarity:Belongs to the phosphatase 2A regulatory subunit B56 family.,subcellular location:From mitotic prophase to metaphase, localizes at the inner centromere between a pair of sister kinetochores. Decreased expression at the onset of anaphase.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B''/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules. Interacts with SGOL1.,tissue specificity:Widely expressed with the highest expression in heart and skeletal muscle.,

### **I** Validation Data



Western blot analysis of the lysates from HeLa cells using PPP2R5A antibody.



Immunohistochemical analysis of paraffin-embedded human oophoroma. 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, 45min).

### | Contact information

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Please scan the QR code to access additional product information: PP2A-B56-α Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Antibody | ELISA Kits | Protein | Reagents