

## 2AAA Polyclonal Antibody

<b>Catalog No :</b>	YN0090
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	2AAA
<b>Fields :</b>	>>mRNA surveillance pathway;>>Sphingolipid signaling pathway;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Adrenergic signaling in cardiomyocytes;>>TGF-beta signaling pathway;>>Hippo signaling pathway;>>Tight junction;>>Dopaminergic synapse;>>Long-term depression;>>Chagas disease;>>Hepatitis C;>>Human papillomavirus infection
<b>Gene Name :</b>	PPP2R1A
<b>Protein Name :</b>	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform (Medium tumor antigen-associated 61 kDa protein) (PP2A subunit A isoform PR65-alpha) (PP2A subunit A isoform R1-alpha)
<b>Human Gene Id :</b>	5518
<b>Human Swiss Prot No :</b>	P30153
<b>Mouse Swiss Prot No :</b>	Q76MZ3
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 500-580
<b>Specificity :</b>	2AAA Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	64kD
<b>Cell Pathway :</b>	Oocyte meiosis;WNT;WNT-T CELLTGF-beta;Tight junction;Long-term depression;
<b>Background :</b>	<p>This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010],</p>
<b>Function :</b>	<p>domain:Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure.,function:The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.,similarity:Belongs to the phosphatase 2A regulatory subunit A family.,similarity:Contains 15 HEAT repeats.,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,</p>
<b>Subcellular Location :</b>	Cytoplasm . Nucleus . Chromosome, centromere . Lateral cell membrane . Cell projection, dendrite . Centromeric localization requires the presence of BUB1 . .
<b>Expression :</b>	Brain,Cajal-Retzius cell,Colon,Placenta,Testis,
<b>Sort :</b>	17721
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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