

## 2A5E Polyclonal Antibody

<b>Catalog No :</b>	YN1278
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	2A5E
<b>Fields :</b>	>>mRNA surveillance pathway;>>Sphingolipid signaling pathway;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Adrenergic signaling in cardiomyocytes;>>Dopaminergic synapse;>>Human papillomavirus infection
<b>Gene Name :</b>	PPP2R5E
<b>Protein Name :</b>	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform (PP2A B subunit isoform B'-epsilon) (PP2A B subunit isoform B56-epsilon) (PP2A B subunit isoform PR61-epsilon) (PP2A B
<b>Human Gene Id :</b>	5529
<b>Human Swiss Prot No :</b>	Q16537
<b>Mouse Swiss Prot No :</b>	Q61151
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 150-230
<b>Specificity :</b>	2A5E 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.

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<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>	51kD
<b>Cell Pathway :</b>	Oocyte meiosis;WNT;WNT-T CELL
<b>Background :</b>	<p>The protein encoded by this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A 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 B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an epsilon isoform of the regulatory subunit B56 subfamily. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2013],</p>
<b>Function :</b>	<p>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.,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.,</p>
<b>Subcellular Location :</b>	Cytoplasm.
<b>Expression :</b>	Brain,Fetal brain,Fetal retina,Placenta,Testis,Uter

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