



Rabbit Anti-PPP2R2A antibody

SL7490R

Product Name:	PPP2R2A
Chinese Name:	蛋白磷酸酶2A-B55 α 抗体
Alias:	2ABA_HUMAN; Alpha isoform of regulatory subunit B55 protein phosphatase 2; B55A; B55ALPHA; calcineurin; PP2A subunit B B alpha isoform; PP2A subunit B B55 alpha isoform; PP2A subunit B isoform alpha; PP2A subunit B isoform B55-alpha; PP2A subunit B isoform PR55-alpha; PP2A subunit B isoform R2-alpha; PP2A subunit B PR55 alpha isoform; PP2A subunit B R2 alpha isoform; PPP2R2A; PR52A; PR55A; Protein phosphatase 2 (formerly 2A) regulatory subunit B (PR 52) alpha isoform; Protein phosphatase 2 regulatory subunit B alpha; Protein phosphatase 2 regulatory subunit B alpha isoform; Serine/threonine protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform; Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PPP2R2A:61-160/447
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The product of this gene belongs to the phosphatase 2 regulatory subunit B family. 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 B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an alpha isoform of the regulatory subunit B55 subfamily. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]</p> <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.</p> <p>Subunit: Found in a complex with at least ARL2, PPP2CB, PPP2R1A, PPP2R2A, PPP2R5E and TBCD By similarity. 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 TP53.</p> <p>Tissue Specificity: Expressed in all tissues examined.</p> <p>Similarity: Belongs to the phosphatase 2A regulatory subunit B family. Contains 7 WD repeats.</p> <p>SWISS: P63151</p> <p>Gene ID: 5520</p> <p>Database links:</p> <p>Entrez Gene: 5520 Human</p> <p>Entrez Gene: 71978 Mouse</p> <p>Entrez Gene: 117104 Rat</p>

[Omid: 604941](#) Human

[SwissProt: P63151](#) Human

[SwissProt: Q6P1F6](#) Mouse

[SwissProt: P63150](#) Rabbit

[SwissProt: P36876](#) Rat

[Unigene: 146339](#) Human

[Unigene: 273997](#) Mouse

[Unigene: 81155](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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