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Datasheet for ABIN1393093  
**anti-PPP2R2B antibody (AA 51-130) (Biotin)**

### Overview

Quantity:	100 µL
Target:	PPP2R2B
Binding Specificity:	AA 51-130
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP2R2B antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PPP2R2B/PP2A-B55
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Sheep,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	PPP2R2B
Alternative Name:	PPP2R2B/PP2A-B55 ( <a href="#">PPP2R2B Products</a> )

## Target Details

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**Background:** Synonyms: 2ABB\_HUMAN; B55 beta; Beta isoform of regulatory subunit B55 protein phosphatase 2; MGC24888; PP2A B Subunit B Alpha Isoform; PP2A B55beta; PP2A PR55B; PP2A subunit B B beta isoform; PP2A subunit B B55 beta isoform; PP2A subunit B isoform B55 beta; PP2A subunit B isoform B55-beta; PP2A subunit B isoform beta; PP2A subunit B isoform PR55 beta; PP2A subunit B isoform PR55-beta; PP2A subunit B isoform R2 beta; PP2A subunit B isoform R2-beta; PP2A subunit B PR55 beta isoform; PP2A subunit B R2 beta isoform; Ppp2r2b; PR2AB beta; PR2AB55 beta; PR2APR55 beta; PR52B; PR55 beta; Protein phosphatase 2 formerly 2A regulatory subunit B PR 52 beta isoform; Protein phosphatase 2 formerly 2A regulatory subunit B beta isoform; Protein phosphatase 2 regulatory subunit B; Protein phosphatase 2 regulatory subunit B beta isoform; SCA 12; SCA12; Serine/threonine protein phosphatase 2A 55 kDa regulatory subunit B beta isoform; Serine/Threonine Protein Phosphatase 2A 56kDa Regulatory Subunit Alpha Isoform; Serine/threonine protein phosphatase 2A neuronal isoform; Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform.

**Background:** In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. An additional protein phosphatase catalytic subunit, PPX (also known as PP4) is a putative member of a novel PP family. The PP2A family comprises subfamily members PP2A $\alpha$  and PP2A. The PP2A catalytic subunit associates with a variety of regulatory subunits. The B family of regulatory subunits (including B55, B56 and PR72/130 subfamilies) is believed to participate in substrate specificity and catalytic activity. PP2A-B55, also known as PP2A regulatory subunit subfamily B55 or PP2A-B1, is a B subfamily consisting of four B55 isoforms (Alpha, Beta, Gamma and Delta) encoded by four distinct genes.

**Pathways:** [PI3K-Akt Signaling](#), [Mitotic G1-G1/S Phases](#), [Hepatitis C](#)

## Application Details

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**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

**Restrictions:** For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months