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Datasheet for ABIN6263578 anti-PPP1R9B antibody (C-Term)

3 Images



Overview

Quantity:	100 µL
Target:	PPP1R9B
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1R9B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human NEB2, corresponding to a region within C-terminal amino acids.
lsotype:	IgG
Specificity:	NEB2 Antibody detects endogenous levels of total NEB2.
Predicted Reactivity:	Pig,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

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PPP1R9B

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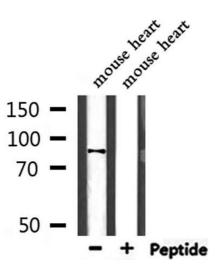
Target Details	
Alternative Name:	PPP1R9B (PPP1R9B Products)
Background:	Description: Seems to act as a scaffold protein in multiple signaling pathways. Modulates
	excitatory synaptic transmission and dendritic spine morphology. Binds to actin filaments (F-
	actin) and shows cross-linking activity. Binds along the sides of the F-actin. May play an
	important role in linking the actin cytoskeleton to the plasma membrane at the synaptic
	junction. Believed to target protein phosphatase 1/PP1 to dendritic spines, which are rich in F-
	actin, and regulates its specificity toward ion channels and other substrates, such as AMPA-
	type and NMDA-type glutamate receptors. Plays a role in regulation of G-protein coupled
	receptor signaling, including dopamine D2 receptors and alpha-adrenergic receptors. May
	establish a signaling complex for dopaminergic neurotransmission through D2 receptors by
	linking receptors downstream signaling molecules and the actin cytoskeleton. Binds to ADRA1B
	and RGS2 and mediates regulation of ADRA1B signaling. May confer to Rac signaling
	specificity by binding to both, RacGEFs and Rac effector proteins. Probably regulates p70 S6
	kinase activity by forming a complex with TIAM1 (By similarity). Required for hepatocyte growth
	factor (HGF)-induced cell migration.
	Gene: PPP1R9B
Molecular Weight:	89 kDa
Gene ID:	84687
UniProt:	Q96SB3
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling
Application Details	
Application Notes:	WB 1:1000-3000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 $\%$
	glycerol.
Preservative:	Sodium azide

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

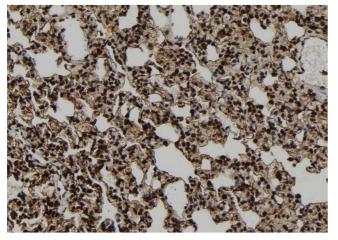
Images

Handling



Western Blotting

Image 1. Western blot analysis of extracts from mouse heart, using NEB2 Antibody.

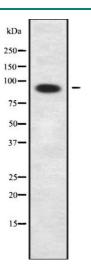


Immunohistochemistry

Image 2. ABIN6272551 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

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Images



Western Blotting

Image 3. Western blot analysis NEB2 using 293 whole cell

lysates

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