PPP1R9B antibody

Product Information

Catalog No.:	FNab06711
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	protein phosphatase 1, regulatory(inhibitor) subunit 9B
Synonyms:	Neurabin-2|Neurabin-II|Protein phosphatase 1 regulatory subunit 9B|Spinophilin|PPP1R9B|PPP1R6
Observed MW:	120-130 kDa
Uniprot ID :	Q96SB3

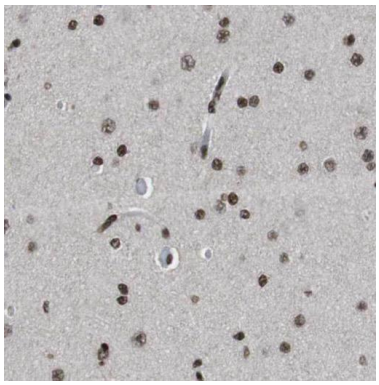
Application

Reactivity:	Human, Mouse, Rat

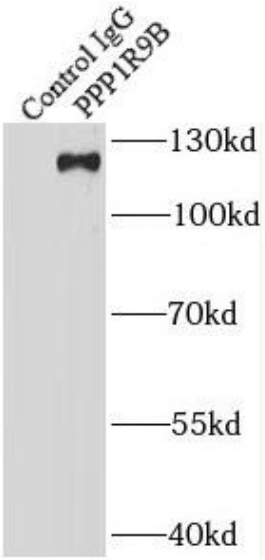
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200

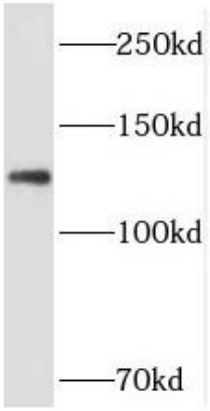
Image:



Immunohistochemistry of paraffin-embedded human brain using FNab06711(PPP1R9B antibody) at dilution of 1:50



IP Result of anti-PPP1R9B (IP:FNab06711, 4ug; Detection:FNab06711 1:300) with mouse brain tissue lysate 6000ug.



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab06711(PPP1R9B antibody) at dilution of 1:500