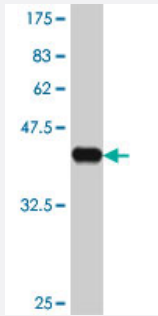


PPP1R9B polyclonal antibody (A01)

Catalog # H00084687-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PPP1R9B.
Immunogen	PPP1R9B (NP_115984, 708 a.a. ~ 817 a.a) partial recombinant protein with GST tag.
Sequence	QLEQSVEENKERMEKLEGYWGEAQSLCQAVDEHLRETQAQYQALERKYSKAKRLIKDYQQKEIE FLKKETAQRRVLEESELARKEEMDKLLDKISELEGNLQTLRNSNST
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PPP1R9B

Entrez GeneID [84687](#)

GeneBank Accession# [NM_032595](#)

Protein Accession# [NP_115984](#)

Gene Name PPP1R9B

Gene Alias FLJ30345, PPP1R6, PPP1R9, SPINO, Spn

Gene Description protein phosphatase 1, regulatory (inhibitor) subunit 9B

Omim ID [603325](#)

Gene Ontology [Hyperlink](#)

Gene Summary Spinophilin is a regulatory subunit of protein phosphatase-1 catalytic subunit (PP1; see MIM 176875) and is highly enriched in dendritic spines, specialized protrusions from dendritic shafts that receive most of the excitatory input in the central nervous system (Allen et al., 1997 [PubMed 9275233]).[supplied by OMIM]

Other Designations Neurabin-2|neurabin II|protein phosphatase 1, regulatory subunit 9B|protein phosphatase 1, regulatory subunit 9B, spinophilin|spinophilin

Publication Reference

- [SIPA1L1/SPAR1 interacts with the neurabin family of proteins and is involved in GPCR signaling.](#)

Ken Matsuura, Shizuka Kobayashi, Kohtarou Konno, Miwako Yamasaki, Takahiro Horiuchi, Takao Senda, Tomoatsu Hayashi, Kiyotoshi Satoh, Fumiko Arima-Yoshida, Kei Iwasaki, Lumi Negishi, Naomi Yasui-Shimizu, Kazuyoshi Kohu, Shigenori Kawahara, Yutaka Kirino, Tsutomu Nakamura, Masahiko Watanabe, Tadashi Yamamoto, Toshiya Manabe and Tetsu Akiyama.
Journal of Neuroscience 2022 Mar; 42(12):2448.

Application: IF, Mouse, Mouse brain

- [Asef2 and Neurabin2 cooperatively regulate actin cytoskeletal organization and are involved in HGF-induced cell migration.](#)

Sagara M, Kawasaki Y, Iemura SI, Natsume T, Takai Y, Akiyama T.

Oncogene 2009 Mar; 28(10):1357.

Application: WB, IF, Human, HEK 293T, HeLa cells

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Genetic Predisposition to Disease](#)