

Rabbit anti-Cynomolgus PPP1R1B Polyclonal Antibody | anti-PPP1R1B antibody

Anti-PPP1R1B Antibody, Rabbit Polyclonal

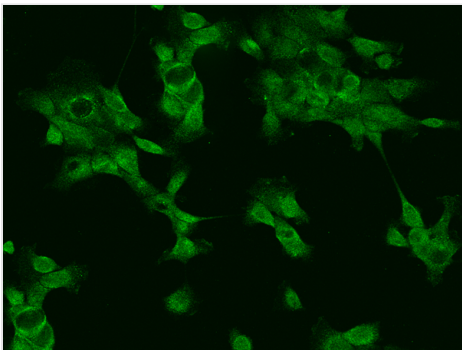
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256261	Rabbit	Cynomolgus	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

PPP1R1B; Polyclonal Antibody; Anti-PPP1R1B Antibody; Rabbit Polyclonal; PPP1R1B Antibody; Rabbit PAb; Antigen Affinity Purified; protein phosphatase 1; regulatory (inhibitor) subunit 1B; Anti-DARPP-32 Antibody; Anti-DARPP32 Antibody; anti-PPP1R1B antibody

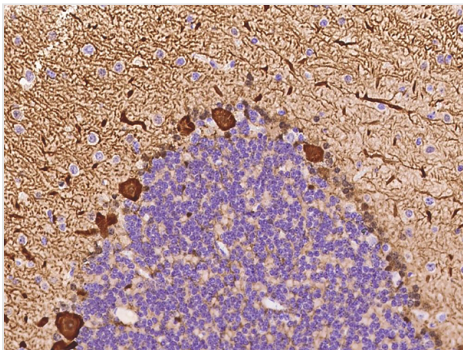
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human, Cynomolgus
Purity/Purification	Antigen Affinity Chromatography
Form/Format	PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PPP1R1B antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PPP1R1B fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PPP1R1B fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



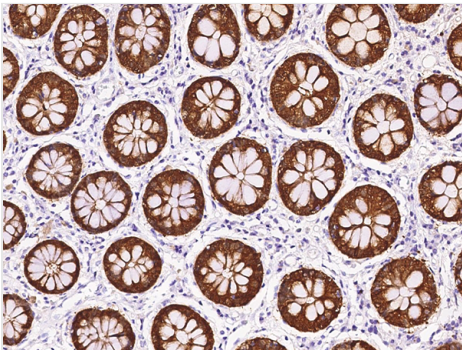
IF (Immunofluorescence)

Immunofluorescence staining of PPP1R1B in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PPP1R1B polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining PPP1R1B in cynomolgus cerebellum with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining PPP1R1B in human colon with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R1B antibody	Dopamine and cAMP-regulated phosphoprotein Mr 32, 000 (DARPP-32), also known as phosphoprotein phosphatase-1 regulatory subunit 1B (PPP1R1B), was initially discovered as a substrate of dopamine-activated protein kinase A (PKA) in the neostriatum in the brain. DARPP-32 plays a central role in the biology of dopamine-receptive neurons; its coding gene (PPP1R1B) has been linked to psychological and psychopathological traits. The PPP1R1B gene is located on chromosome 17q12 (39, 626, 208-39, 636, 626[GRCh38/hg38]), which codes for multiple transcripts and two experimentally-documented proteins Darpp-32 and t-Darpp. The combined evidence from reduced DARPP-32 expression in the dorsolateral prefrontal cortex (DLPFC) in schizophrenic patients and from abnormalities in mice with a genetic deletion of DARPP-32 or with point mutations in phosphorylation sites of DARPP-32 suggested that it would be worthwhile to investigate the association between DARPP-32 and schizophrenia.
Product Categories/Family for anti-PPP1R1B antibody	Phosphatases and Regulators
References	Huang Y, et al. (2013) Association between ppp1r1b polymorphisms and defense mechanisms in healthy chinese-han subjects. J Mol Neurosci 49 (3): 618-624.Hu JX, et al. (2007) An association study between ppp1r1b gene and schizophrenia in the chinese population. Prog Neuropsychopharmacol Biol Psychiatry 31 (6): 1303-1306.Belkhir A, et al. (2016) Darpp-32: From neurotransmission to cancer. Oncotarget 7 (14): 17631-17640.Avanes A, et al. (2019) Darpp-32 and t-darpp protein products of ppp1r1b: Old dogs with new tricks. Biochem Pharmacol 160 71-79.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.