

Rabbit PPP1R1B Polyclonal Antibody | anti-PPP1R1B antibody

PPP1R1B Antibody

CATALOG # AAA225827	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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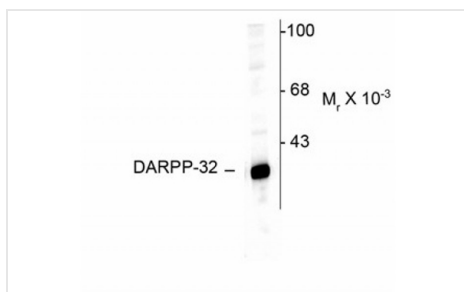
PRODUCT SYNONYMS

PPP1R1B; Polyclonal Antibody; PPP1R1B Antibody; Rabbit Polyclonal PPP1R1B Antibody; Polyclonal PPP1R1B antibody; Anti-PPP1R1B antibody; PPP1R 1B antibody; PPP1R-1B antibody; DARPP32 antibody; Phospho-DARPP-32 antibody; Protein phosphatase 1 regulatory subunit 1B antibody; PPP1R1B antibody; Dopamine- and cAMP-regulated neuronal phosphoprotein antibody; anti-PPP1R1B antibody

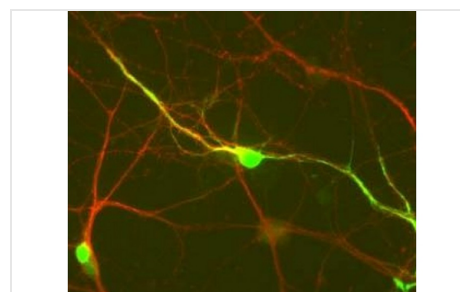
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Chromatography
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% Glycerol
Sequence Length	168
Applicable Applications for anti-PPP1R1B antibody	IHC (Immunohistochemistry), WB (Western Blot)

IMAGES


WB (Western Blot)

Western blot of rat hippocampal lysate showing specific immunolabeling of ~32k DARPP protein


IF (Immunofluorescence)

Immunochemical staining of cultured CD1 mouse striatal cells showing specific labeling of DARPP32 in green and TUJ1 in red

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R1B antibody	Midbrain dopaminergic neurons play a critical role in multiple brain functions, and abnormal signaling through dopaminergic pathways has been implicated in several major neurologic and psychiatric disorders. One well-studied target for the actions of dopamine is DARPP32. In the densely dopamine- and glutamate-innervated rat caudate-putamen, DARPP32 is expressed in medium-sized spiny neurons that also express dopamine D1 receptors. The function of DARPP32 seems to be regulated by receptor stimulation. Both dopaminergic and glutamatergic (NMDA) receptor stimulation regulate the extent of DARPP32 phosphorylation, but in opposite directions.
Product Categories/Family for anti-PPP1R1B antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	335057524
NCBI GeneID	84152
NCBI GenBank Nucleotide #	NP_001229393.1
UniProt Accession #	Q9UD71
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 1B isoform 2
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory inhibitor subunit 1B
NCBI Official Symbol	PPP1R1B
NCBI Official Synonym Symbols	DARPP32; DARPP-32
NCBI Protein Information	protein phosphatase 1 regulatory subunit 1B
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 1B
UniProt Gene Name	PPP1R1B
UniProt Synonym Gene Names	DARPP32
UniProt Entry Name	PPR1B_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp1r1b-antibody-immunohistochemistry-western-blot-elisa/225827>