

Ppp1r1b (phospho T75) polyclonal antibody

Catalog # PAB9670

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat caudate lysate showing specific immunolabeling of the ~32k Ppp1r1b phosphorylated at Thr75 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Ppp1r1b (phospho T75) polyclonal antibody (Cat # PAB9670). The immunolabeling is completely eliminated by treatment with lambda-Ptase.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Ppp1r1b.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T75 of rat Ppp1r1b.
Host	Rabbit
Theoretical MW (kDa)	32
Reactivity	Bovine, Chicken, Dog, Human, Mouse, Primates, Rat
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

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Gene Info — Ppp1r1b

Entrez GeneID	360616
Protein Accession#	Q6J4I0
Gene Name	Ppp1r1b
Gene Alias	Darpp-32, Darpp32
Gene Description	protein phosphatase 1, regulatory (inhibitor) subunit 1B
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	dopamine- and cAMP-regulated phosphoprotein DARPP-32 neuronal phosphoprotein DARPP-32

Publication Reference

- [Involvement of DARPP-32 phosphorylation in the stimulant action of caffeine.](#)

Lindskog M, Svenningsson P, Pozzi L, Kim Y, Fienberg AA, Bibb JA, Fredholm BB, Nairn AC, Greengard P, Fisone G.
Nature 2002 Aug; 418(6899):774.

Application: WB-Ti, Mouse , Mouse dorsal striatum

- [DARPP-32 and regulation of the ethanol sensitivity of NMDA receptors in the nucleus accumbens.](#)

Maldve RE, Zhang TA, Ferrani-Kile K, Schreiber SS, Lippmann MJ, Snyder GL, Fienberg AA, Leslie SW, Gonzales RA, Morrisett RA.

Nature Neuroscience 2002 Jul; 5(7):641.

- [Involvement of striatal and extrastriatal DARPP-32 in biochemical and behavioral effects of fluoxetine \(Prozac\).](#)

Svenningsson P, Tzavara ET, Witkin JM, Fienberg AA, Nomikos GG, Greengard P.

PNAS 2002 Mar; 99(5):3182.

Application: WB-Ti, Mouse, Mouse brain