

Product datasheet for **AP05890PU-N**

DARPP32 (PPP1R1B) pThr34 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:1000; detects a band of approximately 32kDa in rat caudate lysates.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within DARPP-32 which includes phosphorylated Thr34.
Specificity:	This antibody is specific for DARPP-32, when phosphorylated at threonine 34.
Formulation:	10mM HEPES, pH7.5 containing 0.09% Sodium Azide, 0.1% Bovine Serum Albumin and 50% Glycerol State: Purified State: Liquid purified Ig
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein phosphatase 1 regulatory inhibitor subunit 1B
Database Link:	Entrez Gene 84152 Human Q9UD71
Background:	DARPP-32 (also known as protein phosphatase 1 regulatory subunit 1B PP1R1B) is a dopamine- and cAMP-regulated phosphoprotein, which is principally expressed in striatal medium spiny neurons, and is thought to play a critical role in the regulation of dopaminergic neurotransmission. DARPP-32 can act either as a phosphatase inhibitor or as a kinase inhibitor, depending on its relative state of phosphorylation . Phosphorylation at threonine 34 converts DARPP-32 into an inhibitor of protein phosphatase-1 (PP-1) whilst phosphorylation at threonine 75 switches the protein to an inhibitor of protein kinase A (PKA) .



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Synonyms: PPP1R1B, DARPP-32, FLJ20940