

## DARPP-32 Polyclonal Antibody

Catalog No :	YT1291
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	DARPP-32
Fields :	>>cAMP signaling pathway;>>Dopaminergic synapse;>>Cocaine addiction;>>Amphetamine addiction;>>Alcoholism
Gene Name :	PPP1R1B
Protein Name :	Protein phosphatase 1 regulatory subunit 1B
Human Gene Id :	84152
Human Swiss Prot	Q9UD71
No : Mouse Gene Id :	19049
Mouse Swiss Prot	Q60829
No:	000010
Rat Gene Id :	360616
Rat Swiss Prot No :	Q6J4I0
Immunogen :	The antiserum was produced against synthesized peptide derived from human DARPP-32. AA range:41-90
Specificity :	DARPP-32 Polyclonal Antibody detects endogenous levels of DARPP-32 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000 IF 1:50-200



Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
Furnication.	chromatography using epitope-specific immunogen
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
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Observed David	2010
Observed Band :	32KD
Background :	This gene encodes a bifunctional signal transduction molecule. Dopaminergic
	and glutamatergic receptor stimulation regulates its phosphorylation and function
	as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may
	serve as a therapeutic target for neurologic and psychiatric disorders. Multiple
	transcript variants encoding different isoforms have been found for this gene.
	[provided by RefSeq, Oct 2011],
Function :	function: Inhibitor of protein-phosphatase 1 PTM: Dopamine- and cyclic AMP-
runction.	regulated neuronal phosphoprotein PTM:Phosphorylation of Thr-34 is required
	for activity, similarity: Belongs to the protein phosphatase inhibitor 1 family
Subcellular	Cytoplasm.
Location :	
Expression :	Adipose tissue.Brain.Cerebellum.Colon.Ovarv.
_	
lag:	ortnogonal
Sort :	5000
No4	1
N04.	
Host :	Rabbit
Modifications ·	Unmodified
mounioutions.	

## Products Images



Western Blot analysis of various cells using DARPP-32 Polyclonal Antibody diluted at 1:500





Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DARPP-32 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from 293 cells, treated with EGF 200ng/ml 30', using DARPP-32 Antibody. The lane on the right is blocked with the synthesized peptide.