



Rabbit Anti-PPP1R1B monoclonal antibody, clone TV1430 (CABT-L644)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	DARPP32
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TV1430
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	32 kDa
Cellular Localization	Cytoplasm.
Positive Control	SH-SY-5Y, MCF-7, mouse brain tissue, rat brain tissue, human gastric carcinoma tissue, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Dopaminergic signaling pathways, which are essential for multiple brain functions, are abnormal in several neurological disorders, such as schizophrenia, Parkinson's disease and drug abuse. DARPP-32 (for dopamine and adenosine 3',5'-monophosphate-regulated phosphoprotein) is abundant in neurons that receive dopaminergic input. Activation of PKA and the consequent phosphorylation of DARPP-32 on threonine occurs in response to dopamine acting upon D1-like receptors. Dopamine interaction with D2-like receptors results in the inhibition of PKA activation, the activation of protein phosphatase 2B and the consequent dephosphorylation of DARPP-32. Neurotransmitters other than dopamine may also be able to stimulate the phosphorylation or dephosphorylation of DARPP-32. Phosphorylated DARPP-32 is a potent inhibitor of PP-1.
Keywords	DARPP 32;DARPP-32;Dopamine and cAMP regulated neuronal phosphoprotein 32;Dopamine and cAMP regulated neuronal phosphoprotein;Dopamine and cAMP regulated phosphoprotein;Dopamine and cAMP regulated phosphoprotein DARPP 32;Dopamine and cAMP regulated phosphoprotein DARPP32;Dopamine- and cAMP-regulated neuronal phosphoprotein;FLJ20940;IPPD;Neuronal phosphoprotein DARPP 32;PPP1R1B;PPR1B_HUMAN;Protein phosphatase 1 regulatory (inhibitor) subunit 1B;Protein phosphatase 1 regulatory inhibitor subunit 1B;Protein phosphatase 1 regulatory subunit 1B antibody