



DARPP-32 (phospho Thr34) Polyclonal Antibody

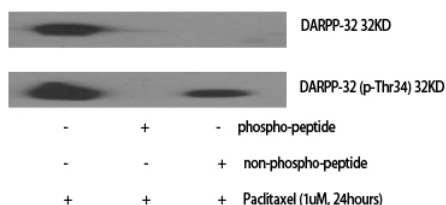
Catalog No	YP-Ab-12654
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PPP1R1B
Immunogen	The antiserum was produced against synthesized peptide derived from human DARPP-32 around the phosphorylation site of Thr34. AA range:18-67
Specificity	Phospho-DARPP-32 (T34) Polyclonal Antibody detects endogenous levels of DARPP-32 protein only when phosphorylated at T34.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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;FLJ294;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; DARPP32
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Adipose tissue,Brain,Cerebellum,Colon,Ovary,

Function	function:Inhibitor of protein-phosphatase 1.,PTM:Dopamine- and cyclic AMP-regulated neuronal phosphoprotein.,PTM:Phosphorylation of Thr-34 is required for activity.,similarity:Belongs to the protein phosphatase inhibitor 1 family.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

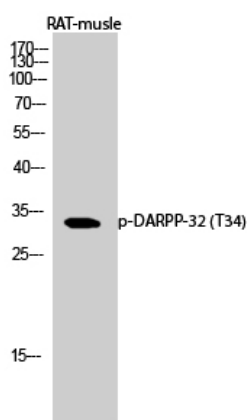


Products Images

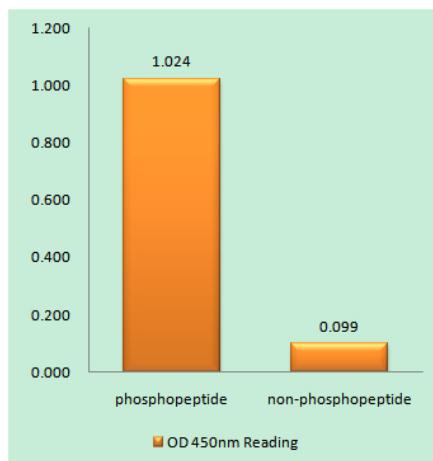
Western Blot analysis of various cells using Phospho-DARPP-32 (T34) Polyclonal Antibody diluted at 1:1000



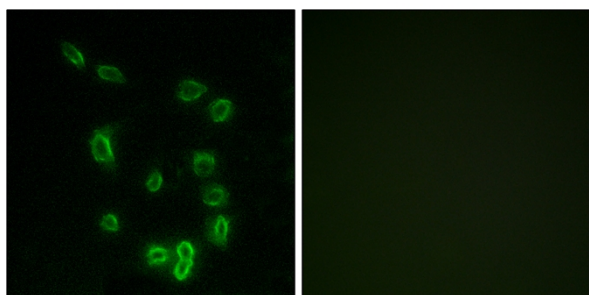
Western Blot analysis of RAT-muscle cells using Phospho-DARPP-32 (T34) Polyclonal Antibody diluted at 1:1000

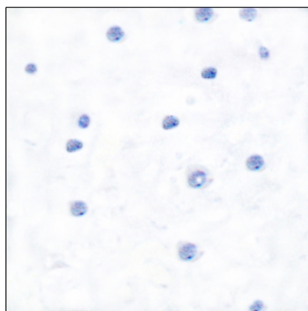
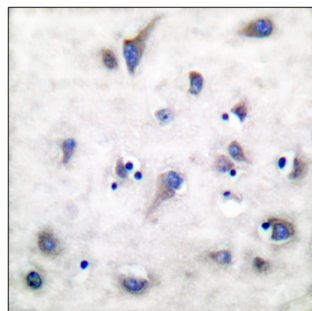


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using DARPP-32 (Phospho-Thr34) Antibody



Immunofluorescence analysis of HepG2 cells, using DARPP-32 (Phospho-Thr34) Antibody. The picture on the right is blocked with the phospho peptide.





Immunohistochemistry analysis of paraffin-embedded human brain, using DARPP-32 (Phospho-Thr34) Antibody. The picture on the right is blocked with the phosphopeptide.

