



DARPP-32 (phospho Thr34) Polyclonal Antibody

Catalog No	BYab-12654
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PPP1R1B
Protein Name	Protein phosphatase 1 regulatory subunit 1B
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	PPP1R1B; DARPP32; Protein phosphatase 1 regulatory subunit 1B; DARPP-32; Dopamine- and cAMP-regulated neuronal phosphoprotein
Observed Band	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

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transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

matters needing attention

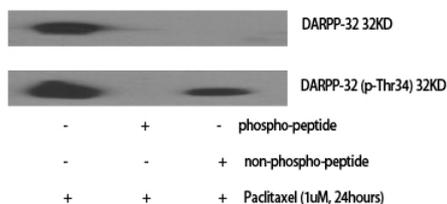
Avoid repeated freezing and thawing!

Usage suggestions

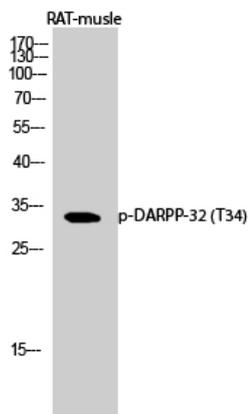
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

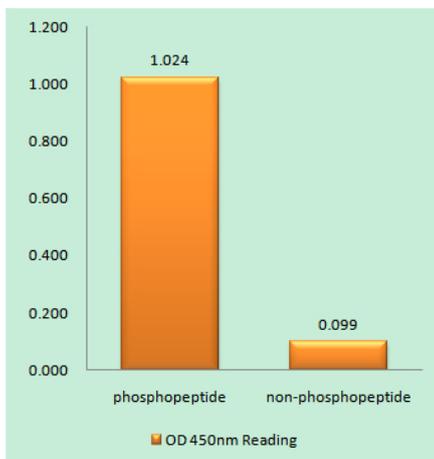
Western Blot analysis of various cells using Phospho-DARPP-32 (T34) Polyclonal Antibody diluted at 1:1000



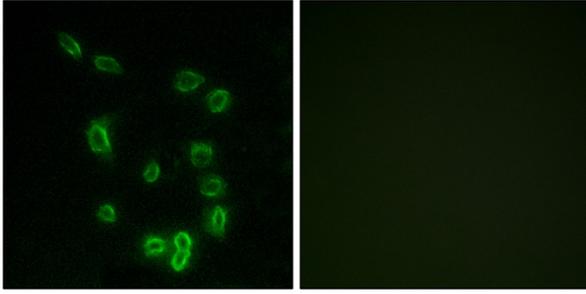
Western Blot analysis of RAT-muscle cells using Phospho-DARPP-32 (T34) Polyclonal Antibody diluted at 1:1000



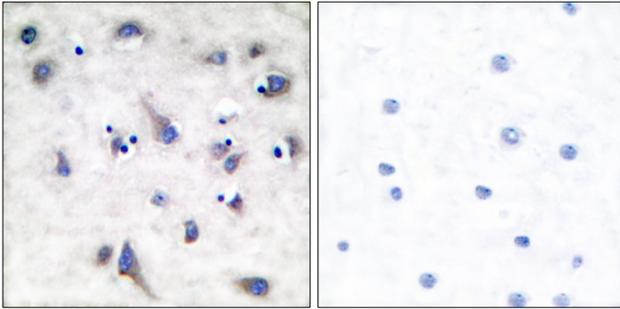
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using DARPP-32 (Phospho-Thr34) Antibody



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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 phospho peptide.



DARPP-32 (pThr34)

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