



DARPP-32 rabbit pAb

Cat No.:ES2145

For research use only

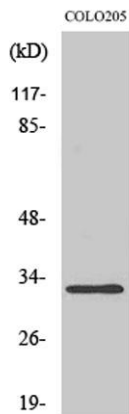
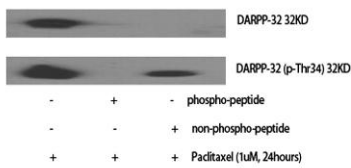
Overview

Product Name	DARPP-32 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Protein phosphatase 1 regulatory subunit 1B
Gene Name	PPP1R1B
Cellular localization	Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	32kD
Human Gene ID	84152
Human Swiss-Prot Number	Q9UD71
Alternative Names	PPP1R1B; DARPP32; Protein phosphatase 1 regulatory subunit 1B; DARPP-32; Dopamine- and cAMP-regulated neuronal phosphoprotein
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



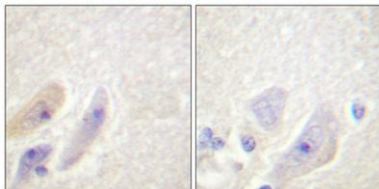
target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

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



Western Blot analysis of COLO205 cells using DARPP-32 Polyclonal Antibody diluted at 1:500

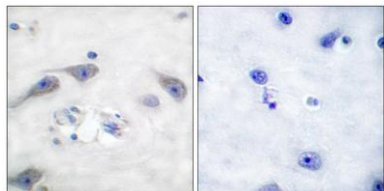
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4^o overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by i





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



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