

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

Q9UD71

Q60829

Human Gene Id: 84152

Human Swiss Prot

No:

Mouse Gene Id: 19049

Mouse Swiss Prot

No:

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

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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-

regulated neuronal phosphoprotein.,PTM:Phosphorylation of Thr-34 is required

for activity., similarity: Belongs to the protein phosphatase inhibitor 1 family.,

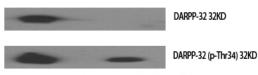
Subcellular Location:

Cytoplasm.

Expression: Adipose tissue, Brain, Cerebellum, Colon, Ovary,

Products Images

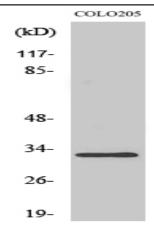
Western Blot analysis of various cells using DARPP-32 Polyclonal Antibody diluted at 1:500



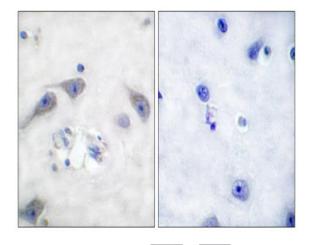
- + - phospho-peptide

- + non-phospho-peptide

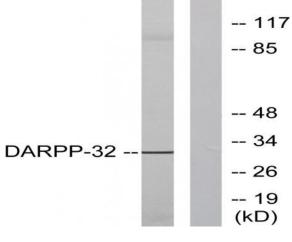
+ + Paclitaxel (1uM, 24hours)



Western Blot analysis of COLO205 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.