

DARPP-32 (phospho Thr75) Polyclonal Antibody

Catalog No: YP0083

Reactivity: Human; Mouse; Rat; Monkey

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 around the phosphorylation site of Thr75. AA range:41-90

Specificity: Phospho-DARPP-32 (T75) Polyclonal Antibody detects endogenous levels of

DARPP-32 protein only when phosphorylated at T75.

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

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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:

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

Cytoplasm.

Tag: orthogonal

Sort : 4998

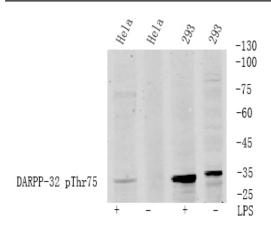
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No4:

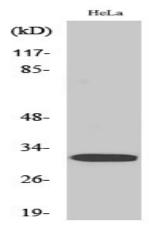
Host: Rabbit

Modifications: Phospho

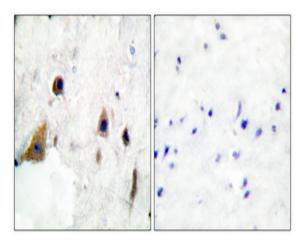
Products Images



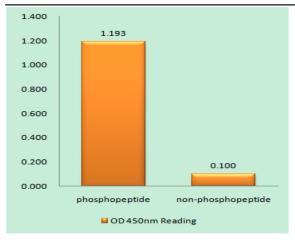
Western Blot analysis of cell lysis treated or untreated by LPS 100ng/mL 30min, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000



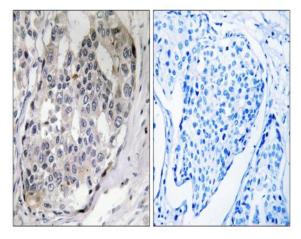
Western Blot analysis of various cells using Phospho-DARPP-32 (T75) Polyclonal Antibody diluted at 1:500



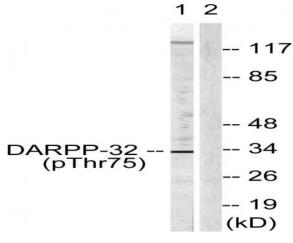
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). Highpressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was preabsorbed by immunogen peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using DARPP-32 (Phospho-Thr75) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using DARPP-32 (Phospho-Thr75) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with Forskolin 40nM 30', using DARPP-32 (Phospho-Thr75) Antibody. The lane on the right is blocked with the phospho peptide.