



# DARPP-32 (phospho Thr75) rabbit pAb

Cat No.:ES1297

For research use only

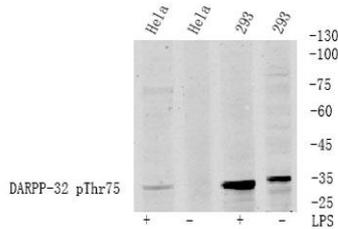
## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | DARPP-32 (phospho Thr75) rabbit pAb  |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat;Monkey   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300. ELISA:<br>1/40000. Not yet tested in other applications.                       |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human DARPP-32 around the phosphorylation site of Thr75. AA range:41-90          |
| <b>Specificity</b>              | Phospho-DARPP-32 (T75) Polyclonal Antibody detects endogenous levels of DARPP-32 protein only when phosphorylated at T75.                            |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Protein phosphatase 1 regulatory subunit 1B  |
| <b>Gene Name</b>                | PPP1R1B  |
| <b>Cellular localization</b>    | Cytoplasm.   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 32kD   |
| <b>Human Gene ID</b>            | 84152  |
| <b>Human Swiss-Prot Number</b>  | Q9UD71   |
| <b>Alternative Names</b>        | PPP1R1B; DARPP32; Protein phosphatase 1 regulatory subunit 1B; DARPP-32; Dopamine- and cAMP-regulated neuronal phosphoprotein                        |
| <b>Background</b>               | This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and |

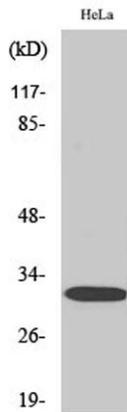


function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

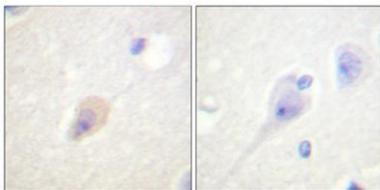
Western Blot analysis of cell lysis treated or untreated by LPS 100ng/mL 30min, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000



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

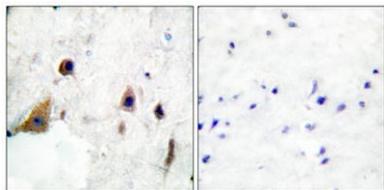


Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by i





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



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