# DARPP-32 rabbit pAb

## Cat#: orb765020 (Manual)

For research use only. Not intended for diagnostic use.

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| **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 |

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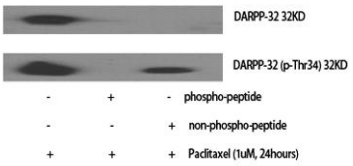
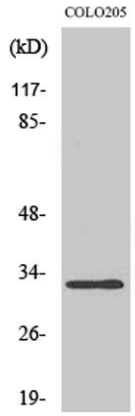
|---|---|
| **Concentration** | 1 mg/ml |
| **Observed band** | 32kD |
| **Human Gene ID** | 84152 |
| **Human Swiss-Prot Number** | Q9UD71 |
| **Alternative Names** | PPP1R1B; DARPP32; Protein phosphatase 1 regulatory subunit 1B; DARPP-32; Dopamine- and cAMP-regulated neuronal phosphoprotein |
| **Background** | 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**

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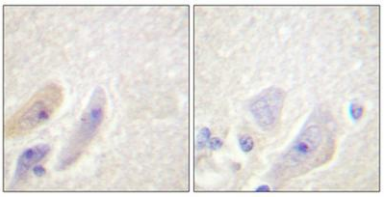
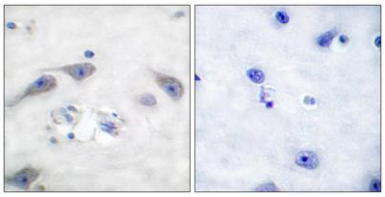


**Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.**



**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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