

PPP1R2 Ab

Cat.#: AF0799
Size: 100ul, 200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 25kDa
Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: PPP1R2 Ab detects endogenous levels of PPP1R2.

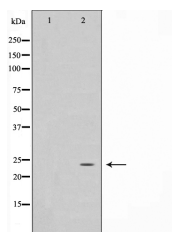
Immunogen: A synthesized peptide derived from human PPP1R2.

Uniprot: P41236

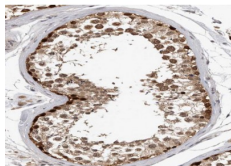
Description: PPP1R2 a member of the protein phosphatase inhibitor 1 family. A dopamine- and cyclic AMP-regulated neuronal phosphoprotein. Both dopaminergic and glutamatergic (NMDA) receptor stimulation regulate the extent of DARPP32 phosphorylation, but in opposite directions. Dopamine D1 receptor stimulation enhances cAMP formation, resulting in the phosphorylation of DARPP32; phosphorylated DARPP32 is a potent protein phosphatase-1 inhibitor. NMDA receptor stimulation elevates intracellular calcium, which leads to activation of calcineurin and dephosphorylation of phospho-DARPP32, thereby reducing the phosphatase-1 inhibitory activity of DARPP32.

Similarity: Belongs to the protein phosphatase inhibitor 2 family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.



Western blot analysis on Jurkat cell lysate using PPP1R2 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0799 at 1/100 staining human testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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