E11-0007A

DARPP-32 (Phospho-Thr75) Antibody

Catalog Number: E11-0007A

Amount: 100µg/100µl

Swiss-Prot No. : Q9UD71

All Names: Dopamine- and cAMP-regulated neuronal phosphoprotein, IPPD, Neuronal phosphoprotein DARPP-32, PPP1R1B

All Sites: Human:Thr75; Mouse: Thr75; Rat: Thr75

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human DARPP-32 around the phosphorylation site of threonine 75 (A-Y-T^{P}-P-P).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity/Sensitivity: DARPP-32 (phospho-Thr75) antibody detects endogenous levels of DARPP-32 only when phosphorylated at threonine 75.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1000 IHC: 1:50~1:100
ELISA: 1:40000

References:
JA Girault, J. Biol. Chem., Dec 1989; 264: 21748 - 21759.
GL Snyder, J. Neurosci., Aug 1992; 12: 3071.
Akinori Nishi, J. Neurosci., Nov 1997; 17: 8147.
Artur Mayerhofer, J. Clin. Endocrinol. Metab., Dec 2000; 85: 4750 - 4757.

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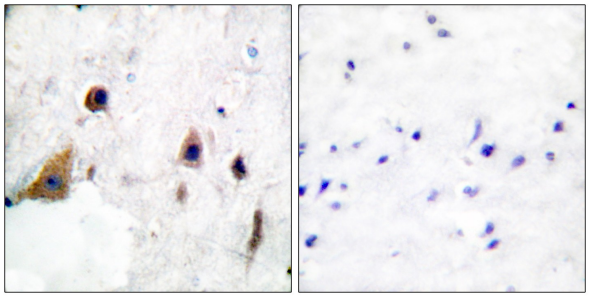
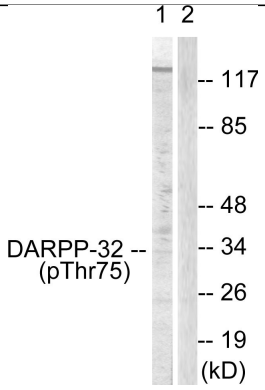


P-peptide - +

Immunohistochemical analysis of paraffin-embedded human brain tissue using DARPP-32 (phospho-Thr75) antibody.



Forskolin + +
P-peptide - +

Western blot analysis of extracts from COS7 cells treated with Forskolin (40nM, 30mins), using DARPP-32 (phospho-Thr75) antibody.