



DARPP-32 (Phospho-Thr34) Antibody

#11186

Catalog Number: 11186-1, 11186-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q9UD71

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human DARPP-32 around the phosphorylation site of threonine 34

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-Thr34) Antibody detects endogenous levels of DARPP-32 only when phosphorylated at threonine 34.

Reactivity: Human, Mouse, Rat

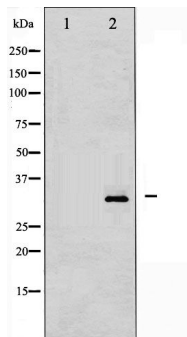
Applications:

Predicted MW: 32 kd

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:100~1:200



Western blot analysis of DARPP-32 phosphorylation expression in PMA treated NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Background :

DARPP-32 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.