



NMDAR2B (Ab-1474) Antibody

#21158

Catalog Number: 21158-1, 21158-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q13244

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 non-phosphopeptide derived from Human NMDAR2B around the phosphorylation site of Tyr1474 (H-V-Y_P-E-K).

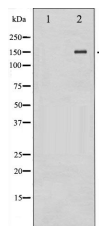
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: NMDAR2B (Ab-1474) antibody detects endogenous levels of total NMDAR2B protein

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 165 kd WB : 1:500~1:1000



Western blot analysis of NMDAR2B expression in A549 whole cell lysates, The lane on the left is treated with the antigen-specific peptide

Background :

N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning.

References:

- Liu, X.B. et al. (2004) *J. Neurosci.* 24, 8885-8895.
- Westphal, R.S. et al. (1999) *Science* 285, 93-96.
- Tingley, W.G. et al. (1997) *J. Biol. Chem.* 272, 5157-5166.
- Hisatsune, C. et al. (1997) *J. Biol. Chem.* 272, 20805-20810.