NMDAR2B(Phospho-Tyr1474) Antibody

#11168

Catalog Number: 11168-1, 11168-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human NMDAR2B around the phosphorylation site of Tyr1474 (H-V-Yp-E-K).

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.

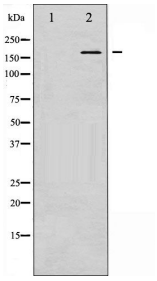
Specificity/Sensitivity:NMDAR2B (Phospho-Tyr1474) antibody detects endogenous levels of NMDAR2B only when phosphorylated at Tyr1474

Reactivity: Human,Mouse,Rat

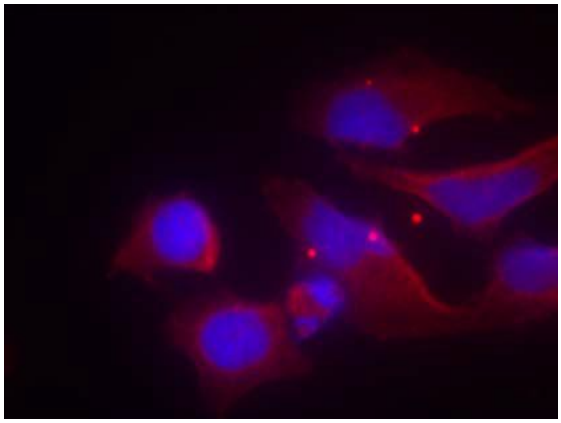
Applications:

Predicted MW: 165 kd

WB：1:500~1:1000 IHC：1:50~1:200 IF：1:100~1:200



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



Immunofluorescence staining of methanol-fixed HeLa cells using NMDAR2B (phospho-Tyr1474) antibody (#11168,Red)

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.