

Anti-NMDAR1(Phospho-Ser890)Polyclonal Antibody



Catalog No.	Size
A100089-01	50 µl
A100089-02	100 µl

Specificity	Anti- NMDAR1 (Phospho-Ser890) (human mouse rat)
Source	Rabbit Polyclonal
Application	ELISA IHC IF
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q05586

Other Names: GLURZ1, GRIN1, Glutamate [NMDA] receptor subunit zeta 1 precursor, N-methyl-D-aspartate receptor, NMD-R1, NMDZ1, NMZ1, NR1

Specificity and Sensitivity

NMDAR1 (Phospho-Ser890) antibody detects endogenous levels of NMDAR1 only when phosphorylated at serine 890.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human NMDAR1 around the phosphorylation site of serine 890 (A-S-S^P-F-K). The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:40000

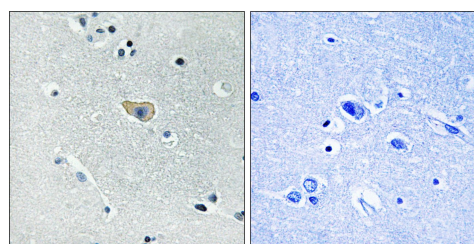
Storage Buffer

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

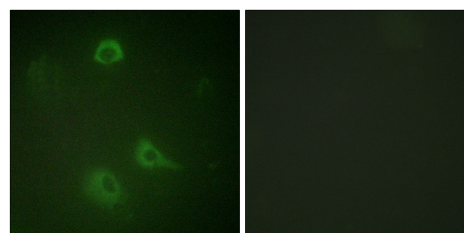
Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

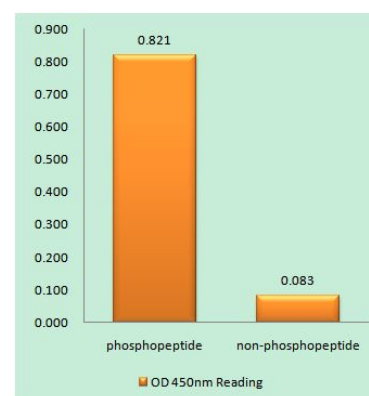
Images



P-peptide - +
Immunohistochemistry analysis of paraffin-embedded human brain tissue using NMDAR1 (Phospho-Ser890) antibody.



P-peptide - +
Immunofluorescence analysis of A549 cells, using NMDAR1 (Phospho-Ser890) antibody.



NMDAR1 (Phospho-Ser890) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.