

Anti -GluN2A(GluR 2, NR2A)

(NMDA -type glutamate receptor subunit 2A)

Code Number : GluRe1C- Rb-Af542 (rabbit, RRID :AB_2571605)

Size : 20 µg and 50 µg / See label on vial
(affinity- purified with antigen polypeptide)

Formulation : Liquid ; 200 mg/ml in PBS with 0.05% Na₃.

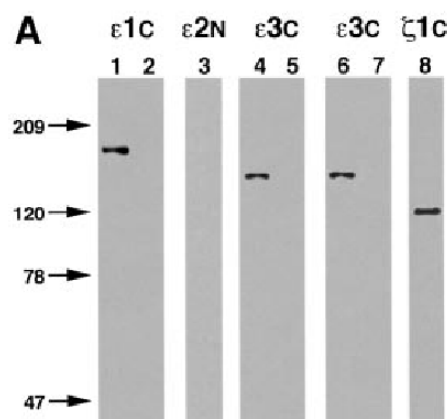
Storage : Store at 4 °C. The antibody can be stored at 4 °C. The antibody can be also aliquotted and stored at -80 °C for long-term storage. Avoid repeated freeze- thawing. Non -hazardous. No MSDS required.

Species : rabbit, polyclonal

Antigen : mouse GluR 2 (NR2A),
C-terminal 1126- 1408 aa by Meguro et al., 1992
(1148-1430aa in D10217)

Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 175 kDa, with no cross reactivity to other iGluR subunits, including GluR 2 (NR2B).

See the reference 1 for immunoblot and immunohistochemistry.



Applications : In general, affinity -purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

Research Use : For research use only, not for use in diagnostic procedures.

Remarks : For immunohistochemistry for neuronal iGluRs, users should adopt postembedding immunogold for electron microscopic detection and protease predigestion for light microscopic detection (see the below reference). For glial iGluR, these antigen -exposing methods are not necessary (unpublished information).



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Reference : 1) Watanabe, M., Fukaya, M., Sakimura, K., Manabe, T., Mishina, M., and Inoue, Y. (1998) Selective scarcity of NMDA receptor channel subunits in the stratum lucidum (mossy fiber-recipient layer) of the hippocampal CA3 subfield. Eur. J. Neurosci. 10:478-487.

2) Fukaya, M., Kato, A., Lovett, C., Tonegawa, S., Watanabe, M. (2003) Retention of NMDA receptor NR2 subunits in the lumen of endoplasmic reticulum in targeted NR1 knockout mice. Proc. Natl. Acad. Sci. USA 100:4855-4860.



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