

Anti-GluN1-C2' (GluR ζ 1-C2', NR1-C2')

(NMDA-type glutamate receptor subunit 1)

Code Number : GluN1-C2'-Rb-Af810 (rabbit, RRID : AB_2571764)

Size : **Size** : 20 μ g and 50 μ g / See label on vial

(affinity-purified with antigen polypeptide)

Formulation : Liquid ; 200 μ g/ml in PBS with 0.05% NaN₃.

Storage : Store at cool temp. (2-10°C)

The antibody can be stored at 2-10°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardrous. No MSDS required.

Species : rabbit, polyclonal

Antigen : mouse GluN1,

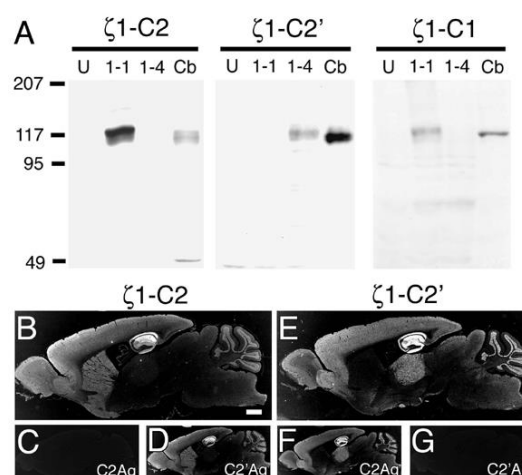
C-terminal C2' cassette 885-906 aa

(QYHPTDITGPLNLS DPSVSTVV).

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 120 kDa, with no cross reactivity to other iGluR subunits or to the C2-terminal form of GluN1 (GluN1-1).

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).

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Reference : 1) Abe, M., Fukaya, M., Yagi, T., Mishina, M., Watanabe, M*, Sakimura, K. (2004)
NMDA Receptor GluRε/NR2 subunits are essential for postsynaptic localization and protein
stability of GluRζ1/NR1 subunit. **J. Neurosci.**, 24:9292-9304.

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