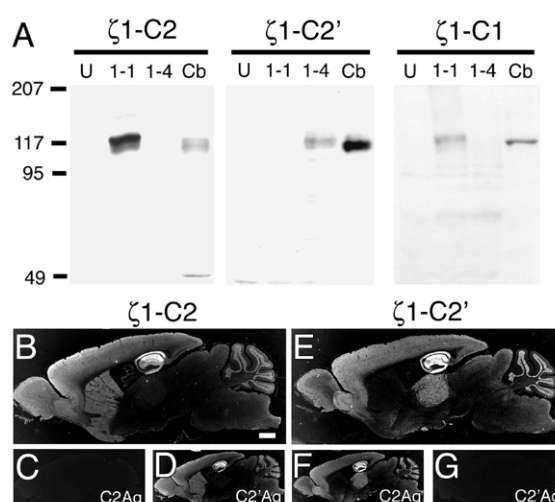


Anti-GluN1-C2 (GluR ζ 1-C2, NR1-C2)*(NMDA-type glutamate receptor subunit 1)***Code Number** : GluRz1-Rb-Af720 (rabbit, RRID : AB_2571604)**Size** : 20 μ g and 50 μ g / See label on vial
(affinity-purified with antigen polypeptide)**Formulation** : Liquid; 200 μ g/ml in PBS with 0.05% NaN₃.**Storage** : Store at 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 GluN1,
C-terminal C2 cassette 909-938 aa
(QNQKDTVLPRAIEREEGQLQL
CSRHRES ; NM_008169).**Specificity** : mouse (others not tested)

Immunoblot detects a single protein band at 120 kDa, with no cross reactivity to other iGluR subunits or to other C-terminal forms of GluN1. See the reference 3 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).

- Reference :** 1) Yamada, K., Fukaya, M., Shimizu, H., Sakimura, K., Watanabe, M. (2001) NMDA receptor subunits GluR ϵ 1, GluR ϵ 3, and GluR ζ 1 are enriched at the mossy fiber-granule cell synapse in the adult mouse cerebellum. *Eur. J. Neurosci.* 13:2025-2036.
- 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.
- 3) Abe, M., Fukaya, M., Yagi, T., Mishina, M., Watanabe, M*, Sakimura, K. (2004) NMDA Receptor GluR ϵ /NR2 subunits are essential for postsynaptic localization and protein stability of GluR ζ 1/NR1 subunit. *J. Neurosci.*, 24:9292-9304.