

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 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 909-938 aa
 (QNQKDTVLPRAIEREEGQLQL
 CSRHRES ; NM_008169).

Specificity : mouse (others not tested)

Immunoblot detects a singleprotein 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.

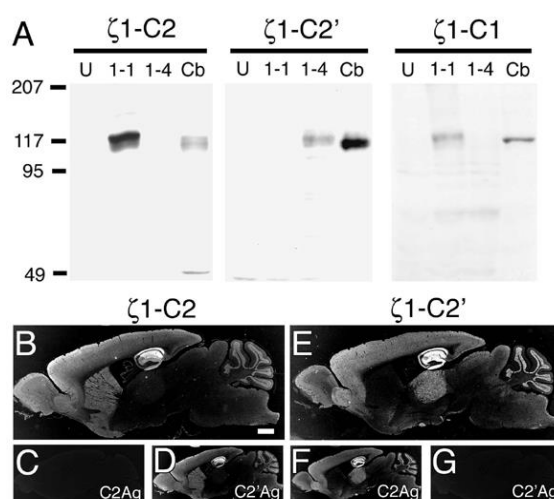
Research Use : For research use only, not for use in diagnostic procedures.

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).

ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

Distributor : NITTOBO MEDICAL CO., LTD
 TEL : +81-(0)3-4582-5451
 email : nmd-tokuhan@nittobogrp.com

Manufacture : FRONTIER INSTITUTE CO., LTD



- 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.

ご注意：本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

Distributor : NITTOBO MEDICAL CO., LTD
TEL : +81-(0)3-4582-5451
email : nmd-tokuhan@nittobogrp.com

Manufacture : FRONTIER INSTITUTE CO., LTD