

Anti-GluN2B(GluRe2, NR2B)

(NMDA-type glutamate receptor subunit 2B)

Product Information:

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|----|-----------------------|---------------------------------------------------|
| 1) | Catalog #: | MSFR102780 |
| | Item Name: | GluN2B,C-term (NR2B) pAb (Rb) 20ug |
| | Size : | 20µg (affinity-purified with antigen polypeptide) |
| | Species : | Rabbit |
| | Product Code : | GluRe2C-Rb-Af300 |
| | RRID : | AB_2571762 |
| 2) | Catalog #: | MSFR102790 |
| | Item Name: | GluN2B,C-term (NR2B) pAb (Rb) 50ug |
| | Size : | 50µg (affinity-purified with antigen polypeptide) |
| | Species : | Rabbit |
| | Product Code : | GluRe2C-Rb-Af300 |
| | RRID : | AB_2571762 |
| 3) | Catalog #: | MSFR102760 |
| | Item Name: | GluN2B,N-term (NR2B) pAb (Rb) 20ug |
| | Size : | 20µg (affinity-purified with antigen polypeptide) |
| | Species : | Rabbit |
| | Product Code : | GluRe2N-Rb-Af660 |
| | RRID : | AB_2571761 |
| 4) | Catalog #: | MSFR102770 |
| | Item Name: | GluN2B,N-term (NR2B) pAb (Rb) 50ug |
| | Size : | 50µg (affinity-purified with antigen polypeptide) |
| | Species : | Rabbit |
| | Product Code : | GluRe2N-Rb-Af660 |
| | RRID : | AB_2571761 |

Formulation : Liquid ; 200 µg/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 aliquoted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

Species : rabbit, polyclonal

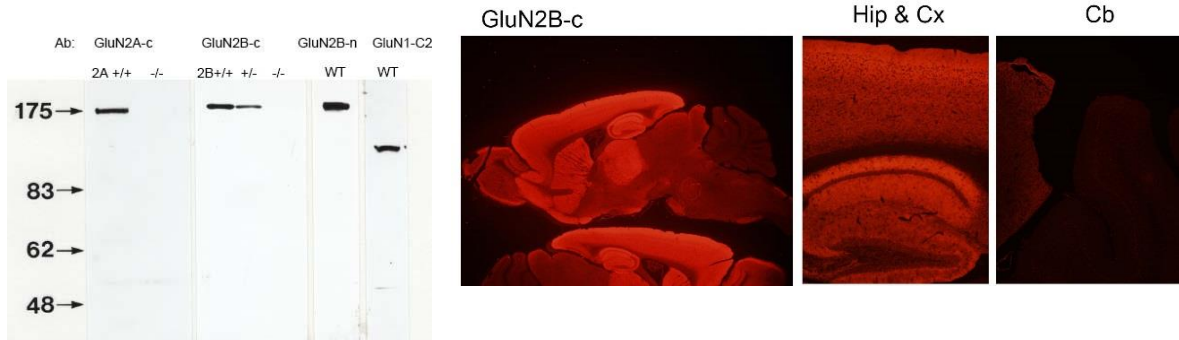
Antigen : mouse GluN2B (NR2B),

N-terminal 1-48 aa or C-terminal 1301-1456 aa by Kutsuwada et al. (1992) (D10651)

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。

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 180 kDa, with no cross reactivity to other iGluR subunits, including GluN2A(GluR ϵ 1, NR2A). 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).

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) Mori, H., Manabe, T., Watanabe, M., Suzuki, N., Toki, S., Nakamura, K., Yagi, T., Kushiya, E., Takahashi, T., Inoue, Y., Sakimura, K., Mishina, M. (1998) Role of the carboxyl-terminal region of the GluR ϵ 2 subunit in synaptic localization of the NMDA receptor channel in vivo. **Neuron** 21:571-580.
3) 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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