Anti- GluA2 (GluR2)

(AMPA-type glutamate receptor subunit-2)

Code Number : GluR2C-Rb-Af1050 (rabbit, RRID : AB_2571754)

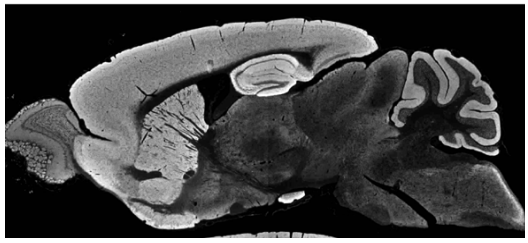
Size : 20 μg and 50 μg / See label on vial
(affinity-purified with antigen polypeptide)

Formulation : Liquid ; 200 μg/ml in PBS with 0.05% NaN_3.

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-hazardrous. No MSDS required.

Species : rabbit, polyclonal

Antigen : mouse GluR2, C-terminal
847-863 aa
(X57498 ; KVAKNAQNINPSSSQNS)



Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 100kDa, with no cross reactivity to other iGluR subunits, including GluR3.

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 For gliali GluR, these antigen-exposing methods are not necessary (unpublished information).

Reference : 1) Shimuta, M., Yoshikawa, M., Fukaya, M., Watanabe, M., Takeshima, H., Manabe, T. (2001) Postsynaptic modulation of AMPA receptor-mediated synaptic responses and LTP by

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2) Fukaya,M., Tsujita, M., Yamazaki, M., Kushiya, E., Abe, M., Akashi, K., Natsume, R., Kano, M., Kamiya, H., Watanabe,M.*, Sakimura, K. Abundant distribution of TARP γ-8 in synaptic and extrasynaptic surface of hippocampal neurons and its major role in AMPA receptor expression on spines and dendrites. **Eur. J. Neurosci**., 24:2177-2190.

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