Anti-GluD1-C (GluRδ1)

(glutamate receptor subunit δ1)

Code Number : GluD1C-Rb-Af1390 (rabbit, RRID : AB_2571757)
GluD1C-Go-Af840 (goat, RRID : AB_2571758)
GluD1C-GP-Af860 (guinea pig, RRID : AB_2571759)

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 / goat / guinea pig, polyclonal

Antigen : mouse GluD1 (NM_008166),
C-terminal 895-932 aa, intracellular epitope,

Specificity : moue (others not tested)
The specificity has been verified by knockout mouse brains, and has no cross reactivity to GluD2 (see a reference of Konno et al., 2014).

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 or fresh frozen sections for light microscopic detection (see the below reference).

Reference : 1) Konno K, Matsuda K, Nakamoto C, Uchigashima M, Miyazaki T, Yamasaki M,

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Sakimura K, Yuzaki M, Watanabe M: Enriched expression of GluD1 in higher brain regions and its involvement in parallel fiber-interneuron synapse formation in the cerebellum. **J. Neurosci**, 34:7412-7424, 2014.

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