Anti-EAAT4

(plasmalemmal glutamate transporter EAAT4)

Code Number : EAAT4-Rb-Af390 (rabbit, RRID : AB_2571695)

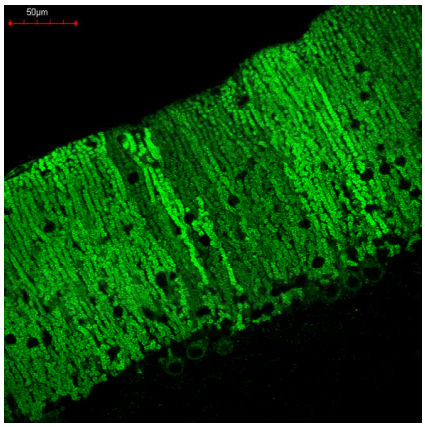
Size : 20 μg and 50 μg / See label on vial
(affinity-purified with antigen polypeptide)

Formulation : Liquid ; 200 μg/ml in PBS with 0.05% NaN_3.
(affinity-purified with antigen polypeptide)

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 EAAT4, 1-20 aa (D83262)



Specificity : Mouse (others not tested)
Immunoblot detects a single protein band at 68 kDa.
This selectively stains extrasynaptic dendritic surface of cerebellar Purkinje cells.

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 : High and low expression in two Purkinje cell populations yield banded pattern of immunolabeling across the cerebellum.

Reference : 1) Yamada, K., Watanabe, M., Shibata, T., Tanaka, K., Wada, K., and Inoue, Y. (1996) EAAT4 is a post-synaptic glutamate transporter at Purkinje cell synapses. **Neuroreport**.

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7:2013-2017.

2) Tanaka, J., Ichikawa, R., Watanabe, M., Tanaka, K., and Inoue, Y. (1997) Extra-junctional localization of glutamate transporter EAAT4 at excitatory Purkinje cell synapses. **Neuroreport** 8:2461-2464.

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