Anti-GLAST

(plasmalemmal glutamate transporter GLAST)

Code Number : GLAST-Rb-Af660 (rabbit, RRID : AB_2571715)
: GLAST-Go-Af960 (goat, RRID : AB_2571716)
: GLAST-GP-Af1000 (guinea pig, RRID : AB_2571717)

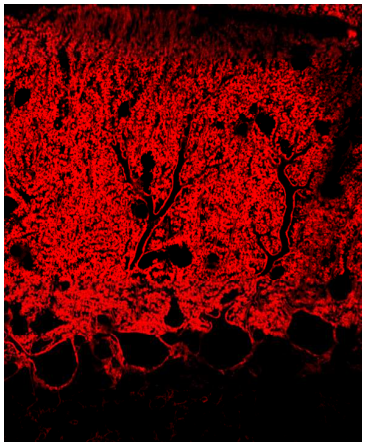
Size : 20 μg and 50 μg / See label on vial
(affinity-purified with antigen polypeptide)

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 / guinea pig / goat , polyclonal

Antigen : mouse GLAST, C-terminal 41aa
(NM148938)



Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 60-65 kDa.
This selectively stains the radial glia-astrocyte lineage in the central nervous system.

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 : Rabbit, guinea pig, and goat antibodies are similar in titer and specificity.

Reference : 1) Shibata, T., Yamada, K., Watanabe, M., Ikenaka, K., Wada, K., Tanaka, K., and Inoue, Y. (1997) Glutamate transporter GLAST is expressed in the radial glia-astrocyte lineage of developing mouse spinal cord. **J. Neurosci**. 17:9212-9219.

Research & Development
FRONTIER INSTITUTE co.,ltd.

FRONTIER INSTITUTE Co.Ltd
1-777-12,Shinko-nishi,Ishikari,Hokkaido 061-3241 Japan
TEL (0)133-73-9194 FAX (0)133-73-4567
e-mail : info@frontier-institute.com
URL : http://www.frontier-institute.com/

2) Yamada, K., Fukaya, M., Shibata, T., Kurihara, H., Tanaka, K., Inoue, Y., Watanabe, M. (2000) Dynamic transformation of Bergmann glial fibers proceeds in correlation with dendritic outgrowth and synapse formation of cerebellar Purkinje cells. **J. Comp. Neurol**. 418:106-120.
3) Watase, K., Hashimoto, K., Kano, M., Yamada, K., Watanabe, M., Inoue, Y., Okuyama, S., Sakagawa, T., Ogawa, S., Kawashima, N., Hori, S., Takimoto, M., Wada, K., and Tanaka, K. (1998) Motor discoordination and increased susceptibility to cerebellar injury in GLAST mutant mice. **Eur. J. Neurosci**. 10:976-988.

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