

Anti-GLT1

(plasmalemmal glutamate transporter GLT1)

Code Number : GLT1-Rb-Af670 (rabbit, RRID : AB_2571718)
: GLT1-Go-Af760 (goat, RRID : AB_2571719)
: GLT1-GP-Af810 (guinea pig, RRID : AB_2571720)

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% NaN₃.

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-hazardous. No MSDS required.

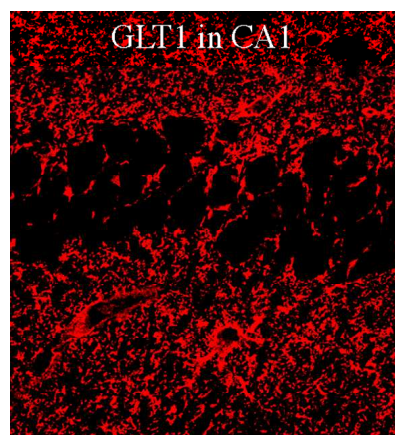
Species : rabbit / guinea pig / goat , polyclonal

Antigen : mouse GLT1, C-terminal 33aa
(NM001077514)

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at
60-70 kDa.

This is expressed first in neurons during fetal
and neonatal stages, and switched to astrocytes.



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) Yamada, K., Watanabe, M., Shibata, T., Nagashima, M., Tanaka, K., and Inoue, Y. (1998) Glutamate transporter GLT-1 is transiently localized on growing axons of the mouse

spinal cord before establishing astrocytic expression. *J. Neurosci.*18:5706-5713.

2) Tanaka, K., Watase, K., Manabe, T., Yamada, K., Watanabe, M., Iwama, H., Nishikawa, T., Ichihara, N., Kikuchi, T., Okuyama, S., Kawashima, N., and Wada, K. (1997) Epilepsy and exacerbation of brain injury in mice lacking the glutamate transporter GLT-1. *Science* 276:1699-1702.