

## ***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% NaN<sub>3</sub>.

**Storage** : Store at cool temp. (2-10°C)

The antibody can be stored at 2-10°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.

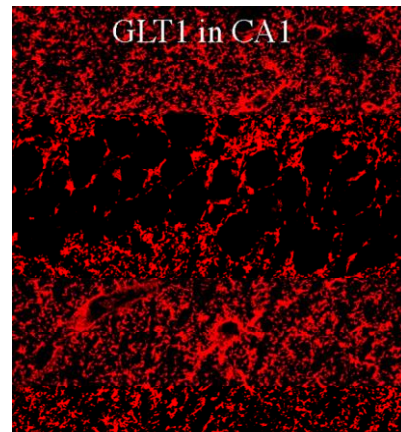
**Species** : rabbit / guinea pig / goat , polyclonal

**Antigen** : mouse 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

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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.

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