

Anti-ASCT1

(amino acid transporter for Ala, Ser, Cys, Thr)

Code Number : ASCT1-Rb-Af660 (rabbit, RRID : AB_2571662)

: ASCT1-GP-Af260 (guinea pig, RRID : AB_2571663)

Formulation : Liquid ; 200µg/ml in PBS with 0.05% NaN₃.

(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 / guinea pig , polyclonal

Antigen: mouse, 478-532 aa (U75215)

Specificity : Mouse (others not tested)

Immunoblot detects a protein band at 62-65 kDa.

Immunostaining disappears with absorbed antibodies.

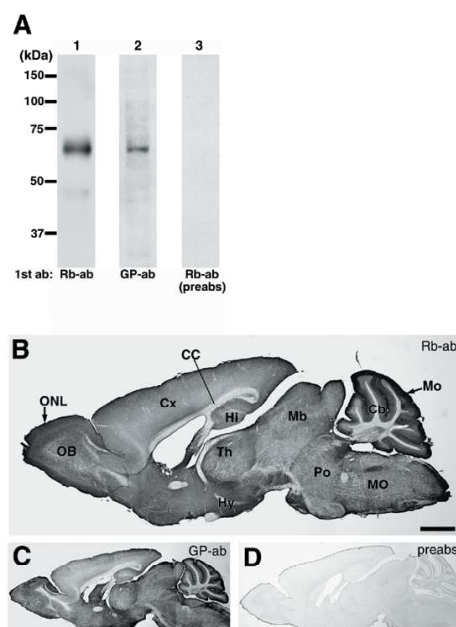
Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry.

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 :

Reference : 1) Sakai, K., Shimizu, H., Koike, T., Furuya S., Watanabe, M. (2003) Neutral amino acid transporter ASCT1 is preferentially expressed in L-Ser-synthetic/storing glial cells in the mouse with transient expression in developing capillaries. *J. Neurosci.* 23:550-560.



- 2) Takasaki C, Miura E, Watanabe M: Segmental and complementary expression of L-serine biosynthetic enzyme 3-phosphoglycerate dehydrogenase and neutral amino acid transporter ASCT1 in the mouse kidney. **Biomed. Res.**, 28:61-69, 2007.