

## *Anti-ASCT1*

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

### Product Information:

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|----|-----------------------|---|
| 1) | <b>Catalog #:</b>     | MSFR100240  |
|    | <b>Item Name:</b>     | ASCT1 pAb (Rb) 20ug                               |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Rabbit  |
|    | <b>Product Code :</b> | ASCT1-Rb-Af660                                    |
|    | <b>RRID :</b>         | AB_2571662  |
| 2) | <b>Catalog #:</b>     | MSFR100250  |
|    | <b>Item Name:</b>     | ASCT1 pAb (Rb) 50ug                               |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Rabbit  |
|    | <b>Product Code :</b> | ASCT1-Rb-Af660                                    |
|    | <b>RRID :</b>         | AB_2571662  |
| 3) | <b>Catalog #:</b>     | MSFR100270  |
|    | <b>Item Name:</b>     | ASCT1 pAb (GP) 50ug                               |
|    | <b>Size :</b>         | 50µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | ASCT1-GP-Af260                                    |
|    | <b>RRID :</b>         | AB_2571663  |
| 4) | <b>Catalog #:</b>     | MSFR100260  |
|    | <b>Item Name:</b>     | ASCT1 pAb (GP) 20ug                               |
|    | <b>Size :</b>         | 20µg (affinity-purified with antigen polypeptide) |
|    | <b>Species :</b>      | Guinea pig  |
|    | <b>Product Code :</b> | ASCT1-GP-Af260                                    |
|    | <b>RRID :</b>         | AB_2571663  |

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**Formulation** : Liquid ; 200µg/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 aliquoted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

**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.

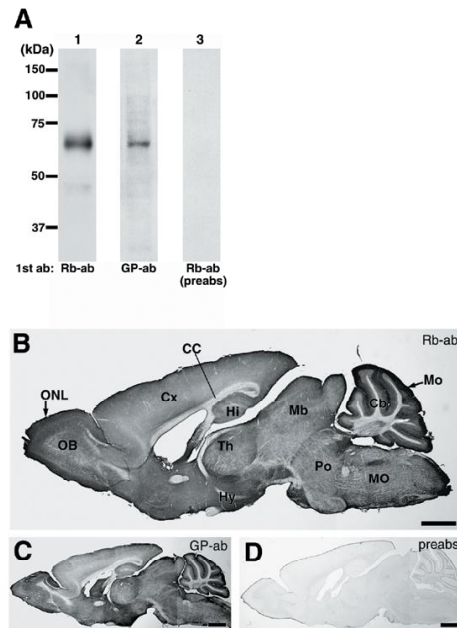
**Applications** : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

**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.



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