

SLC1A4 / ASCT1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11043

Specification

SLC1A4 / ASCT1 Antibody (Internal) - Product Information

| | |
|-------------------|------------------------|
| Application | IHC |
| Primary Accession | P43007 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 56kDa KDa |

SLC1A4 / ASCT1 Antibody (Internal) - Additional Information

Gene ID 6509

Other Names

Neutral amino acid transporter A, Alanine/serine/cysteine/threonine transporter 1, ASCT-1, SATT, Solute carrier family 1 member 4, SLC1A4, ASCT1, SATT

Target/Specificity

Human SLC1A4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SLC1A4 / ASCT1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC1A4 / ASCT1 Antibody (Internal) - Protein Information

Name SLC1A4 {ECO:0000303|PubMed:7896285, ECO:0000312|HGNC:HGNC:10942}

Function

Sodium-dependent neutral amino-acid transporter that mediates transport of alanine, serine, cysteine, proline, hydroxyproline and threonine.

Cellular Location

Membrane; Multi- pass membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined.

Volume

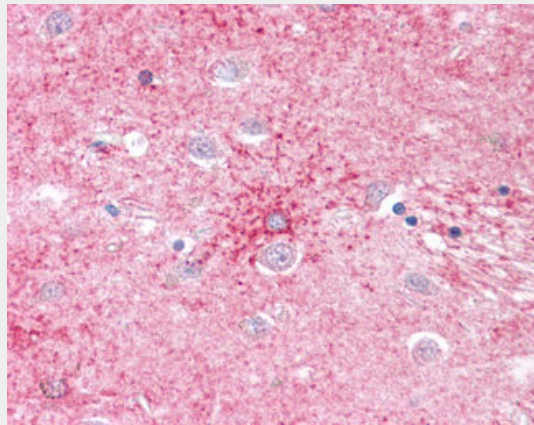
50 μ l

SLC1A4 / ASCT1 Antibody (Internal) - Protocols

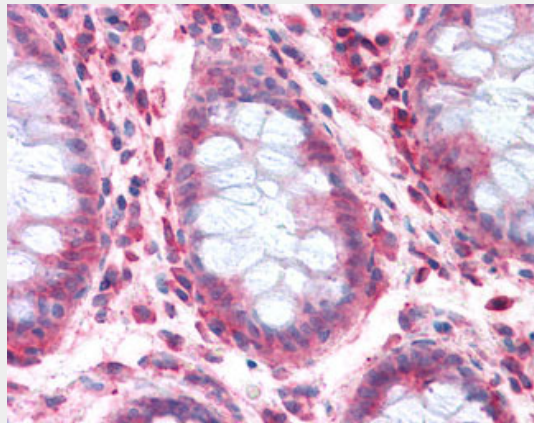
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC1A4 / ASCT1 Antibody (Internal) - Images



Anti-SLC1A4 antibody ALS11043 IHC of human brain, basal ganglia.



Anti-SLC1A4 antibody ALS11043 IHC of human colon.

SLC1A4 / ASCT1 Antibody (Internal) - Background

Transporter for alanine, serine, cysteine, and threonine. Exhibits sodium dependence.

SLC1A4 / ASCT1 Antibody (Internal) - References

Arriza J.L.,et al.J. Biol. Chem. 268:15329-15332(1993).
Shafqat S.,et al.J. Biol. Chem. 268:15351-15355(1993).
Hofmann K.,et al.Genomics 24:20-26(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).