

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

**Specification**

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**SLC1A4 / ASCT1 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">P43007</a>
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**

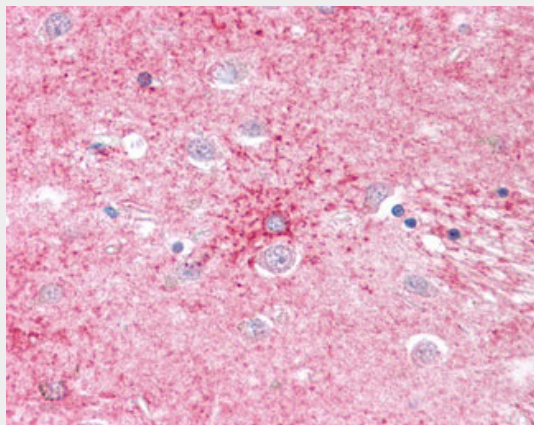
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### SLC1A4 / ASCT1 Antibody (Internal) - Protocols

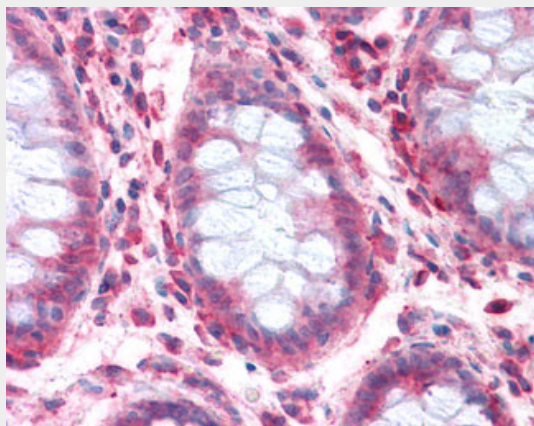
Provided below are standard protocols that you may find useful for product applications.

- [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).  
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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).