10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

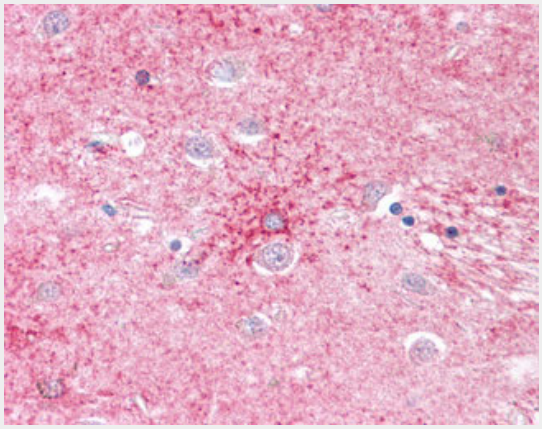
50 µl

SLC1A4 / ASCT1 Antibody (Internal) - Protocols

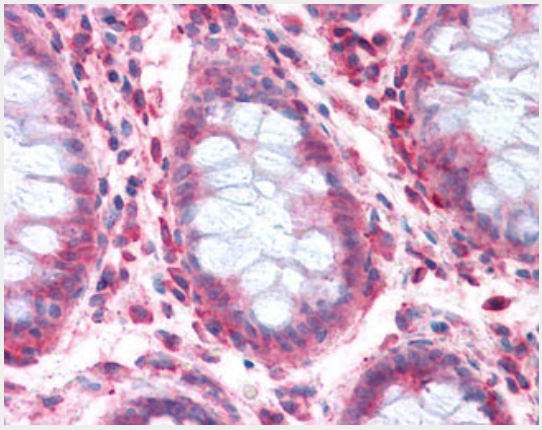
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).