

Product datasheet

Anti-ASCT-1 antibody ab118454

2 Images

Overview

Product name	Anti-ASCT-1 antibody
Description	Rabbit polyclonal to ASCT-1
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human ASCT-1 (internal sequence) conjugated to keyhole limpet haemocyanin. Database link: NP_003029.2
Positive control	Human Colon and Brain (basal Ganglia) tissues.
General notes	Previously labelled as SLC1A4.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 99% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab118454** in the following tested applications.

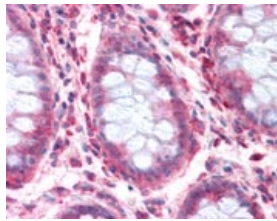
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 15 - 20 µg/ml.

Target

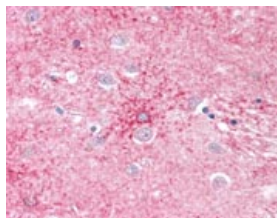
Function	Transporter for alanine, serine, cysteine, and threonine. Exhibits sodium dependence.
Tissue specificity	Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined.
Involvement in disease	Spastic tetraplegia, thin corpus callosum, and progressive microcephaly
Sequence similarities	Belongs to the dicarboxylate/amino acid:cation symporter (DAACS) (TC 2.A.23) family. SLC1A4 subfamily.
Cellular localization	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



ab118454, at 20 µg/ml, staining ASCT-1 in Formalin-fixed, Paraffin-embedded Human Colon tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ASCT-1 antibody (ab118454)



ab118454, at 20 µg/ml, staining ASCT-1 in Formalin-fixed, Paraffin-embedded Human Brain (basal Ganglia) tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ASCT-1 antibody (ab118454)

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