

Product datasheet

Anti-SLC1A4 antibody ab118454

2 Images

Overview

Product name	Anti-SLC1A4 antibody
Description	Rabbit polyclonal to SLC1A4
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to a region within the internal domain of Human SLC1A4 (NP_003029.2).
Positive control	Human Colon and Brain (basal Ganglia) tissues.

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.

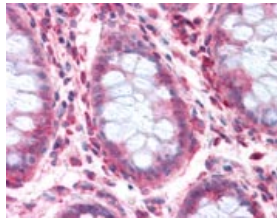
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

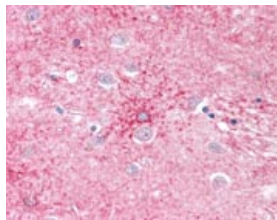
Function	Transporter for alanine, serine, cysteine, and threonine. Exhibits sodium dependence.
Tissue specificity	Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined.
Involvement in disease	Spastic tetraplegia, thin corpus callosum, and progressive microcephaly
Sequence 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 SLC1A4 in Formalin-fixed, Paraffin-embedded Human Colon tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC1A4 antibody (ab118454)



ab118454, at 20 µg/ml, staining SLC1A4 in Formalin-fixed, Paraffin-embedded Human Brain (basal Ganglia) tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC1A4 antibody (ab118454)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors