

Product datasheet

Anti-SorCS1 antibody ab237618

[2 Images](#)

Overview

Product name	Anti-SorCS1 antibody
Description	Rabbit polyclonal to SorCS1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human SorCS1 aa 1-200. Database link: Q8WY21 Run BLAST with Run BLAST with
Positive control	IHC-P: Human breast cancer tissue. ICC/IF: MCF7 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Purification notes	Purity greater than 95%.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab237618 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		1/20 - 1/200.
ICC/IF		1/50 - 1/200.

Target

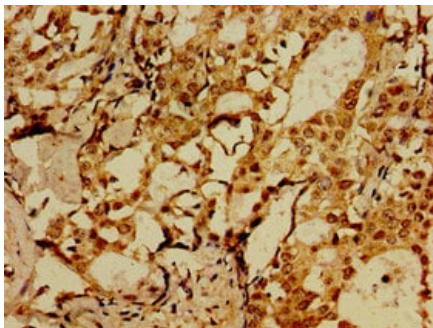
Relevance

SorCS1 belongs to the family of VPS10 domain-containing receptors (the name is derived from the yeast vacuolar protein sorting protein-10, which is involved in sorting of carboxy-peptidase Y from the Golgi apparatus to the vacuole). SorCS1 immunoreactivity is widespread in a population of neurons throughout the brain. Two different types of cellular localization were observed. Most SorCS1 immunoreactive neurons exhibit a punctate cytoplasmic staining which extends into the dendrites, whilst occasionally SorCS1 neuronal immunoreactivity is associated with the plasma membrane.

Cellular localization

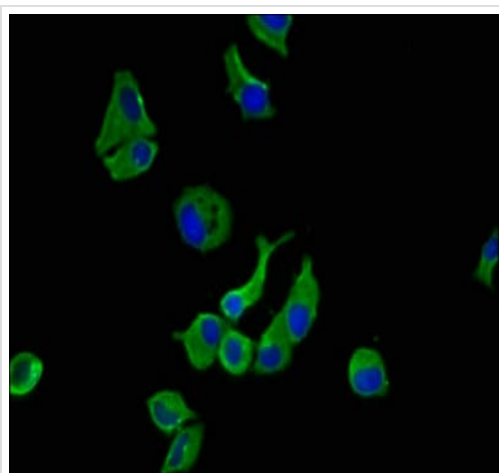
Membrane; Single-pass type I membrane protein

Images



Paraffin-embedded human breast cancer tissue stained for SorCS1 using ab237618 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SorCS1 antibody (ab237618)



Immunocytochemistry/ Immunofluorescence - Anti-SorCS1 antibody (ab237618)

MCF7 (human breast adenocarcinoma cell line) cells stained for SorCS1 (green) using ab237618 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L) secondary antibody.

The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Counterstained with DAPI.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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 <https://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