abcam

Product datasheet

Anti-SGLT1 antibody ab97682

1 Abreviews 1 Image

Overview

Product name	Anti-SGLT1 antibody
Description	Rabbit polyclonal to SGLT1
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human SGLT1. Corresponds to an area surrounding amino acid 594 of Human SGLT1.
Positive control	Jurkat whole cell lysate (**ab7899**)
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 3711 SGLT-1 Antibody. 3711-100 is the same size as the 100 µg size of ab97682. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20ºC.
Storage buffer	pH: 7.20 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.5% BSA, 30% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab97682 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
WB	★★★★☆ **(1)**	Use a concentration of 0.5 - 4 µg/ml. Detects a band of approximately 73 kDa (predicted molecular weight: 73 kDa). A ~50 kDa cleavage fragment can also be detected in Jurkat cell lysate.

Target

Function Actively transports glucose into cells by Na(+) cotransport with a Na(+) to glucose coupling ratio of 2:1. Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.

Tissue specificity Expressed mainly in intestine and kidney.

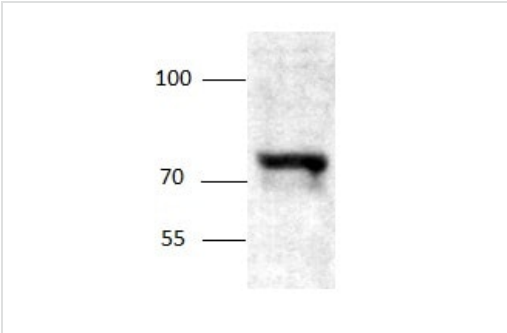
Involvement in disease Congenital glucose/galactose malabsorption

Sequence similarities Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.

Post-translational modifications N-glycosylation is not necessary for the cotransporter function.

Cellular localization Membrane.

Images



Western blot - Anti-SGLT1 antibody (ab97682)

Anti-SGLT1 antibody (ab97682) at 4 µg/ml + Jurkat cell lysate

Predicted band size: 73 kDa

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