abcam

Product datasheet

Anti-SLC40Al antibody ab58695

* ↑ ↑ ↑ 1 Abreviews 18 References 1 Image

Overview

Product name Anti-SLC40A1 antibody

Description Rabbit polyclonal to SLC40A1

Host species Rabbit

Tested applications Suitable for: WB

Species reactivity Reacts with: Human

Predicted to work with: Mouse

Immunogen Synthetic peptide corresponding to Mouse SLC40A1 (N terminal).

Sequence:

LKQLTSPKDTEPKPLEGT

Run BLAST with
Run BLAST with

General notes

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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer pH: 7.2

Preservative: 0.01% Sodium azide

Constituents: PBS, 50% Glycerol (glycerin, glycerine)

Purity Immunogen affinity purified

Clonality Polyclonal

Isotype IgG

Applications

1

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab58695 in the following tested applications.

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

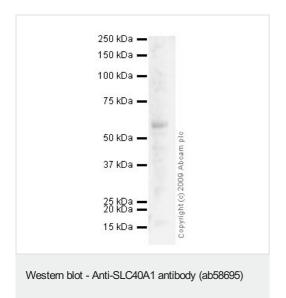
Application	Abreviews	Notes
WB	★ · · · · · · · · · · · · · · · · · · ·	Use a concentration of 1 µg/ml. Detects a band of approximately 69 kDa (predicted molecular weight: 62-69 kDa). Incubate for 2hrs

Target

Function	May be involved in iron export from duodenal epithelial cell and also in transfer of iron between maternal and fetal circulation. Mediates iron efflux in the presence of a ferroxidase (hephaestin and/or ceruloplasmin).	
Tissue specificity	Expressed in placenta, intestine, muscle and spleen.	
Involvement in disease	Defects in SLC40A1 are the cause of hemochromatosis type 4 (HFE4) [MIM:606069]. HFE4 is an autosomal dominant iron-loading disorder characterized by early iron accumulation in reticuloendothelial cells and a marked increase in serum ferritin before elevation of the transferrin saturation.	
Sequence similarities	Belongs to the SLC40A transporter family.	

Images

Cellular localization



Anti-SLC40A1 antibody (ab58695) at 1 μ g/ml + Human colon tissue lysate - total protein (ab30051) at 10 μ g

Cell membrane. Localized to the basolateral membrane of polarized epithelial cells.

Secondary

Goat polyclonal to Rabbit lgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 62-69 kDa **Observed band size:** 62 kDa

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

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