




## Product datasheet

### Anti-SLC40A1 antibody ab58695

★☆☆☆☆ [1 Abreviews](#) [18 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-SLC40A1 antibody
<b>Description</b>	Rabbit polyclonal to SLC40A1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse SLC40A1 (N terminal). Sequence: LKQLTSPKDTPEPKPLEGT <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## 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	★ ★ ★ ★ ★ (1)	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.

### Cellular localization

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

## Images



Western blot - Anti-SLC40A1 antibody (ab58695)

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

### Secondary

Goat polyclonal to Rabbit IgG - 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"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- 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

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