

Datasheet for ABIN1841956

anti-SLC11A2 antibody

8 Images



[Go to Product page](#)

Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | SLC11A2 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC11A2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | A synthetic peptide from mouse SLC11A2 conjugated to blue carrier protein was used as the antigen. |
| Specificity: | Specific for SLC11A2. |
| Cross-Reactivity: | Mouse, Rat |
| Cross-Reactivity (Details): | Other species not yet tested. |
| Purification: | Whole serum |

Target Details

| | |
|-------------------|---|
| Target: | SLC11A2 |
| Alternative Name: | SLC11A2 (SLC11A2 Products) |
| Background: | FUNCTION: Important in metal transport, in particular iron. Can also transport manganese, |

Target Details

cobalt, cadmium, nickel, vanadium and lead. Involved in apical iron uptake into duodenal enterocytes. Involved in iron transport from acidified endosomes into the cytoplasm of erythroid precursor cells. May play an important role in hepatic iron accumulation and tissue iron distribution. Defects in SLC11A2 are a cause of hypochromic microcytic anemia (HCMA)

SUBCELLULAR LOCATION: Endosome membrane, Multi-pass membrane protein TISSUE SPECIFICITY: Ubiquitously expressed. Isoform 1 is highly expressed in brain. Isoform 2 is highly expressed in spleen, thymus and pancreas. Isoform 3 and isoform 4 are abundantly expressed in duodenum and kidney.,SLC11 Family,Natural resistance-associated macrophage protein 2, NRAMP 2, Divalent cation transporter 1, Divalent metal transporter 1, DMT-1, DCT1, DMT1, NRAMP2

UniProt: [P49281](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Proton Transport](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: IHC, WB. A dilution of 1 : 2000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

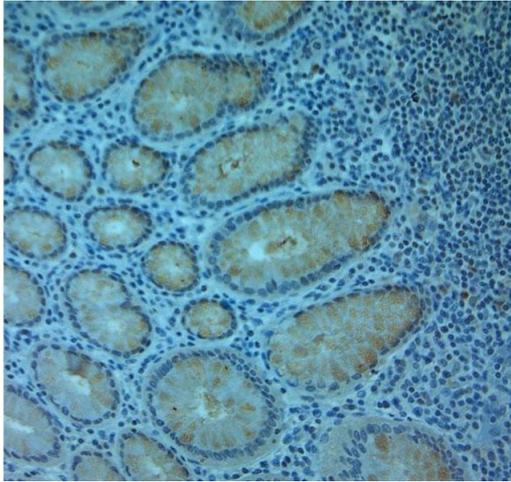
Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

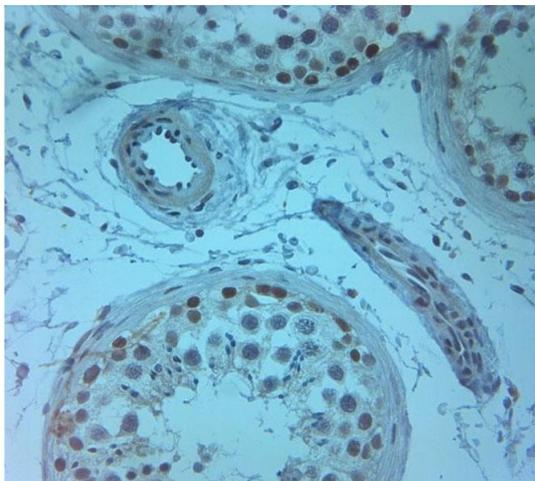
Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months



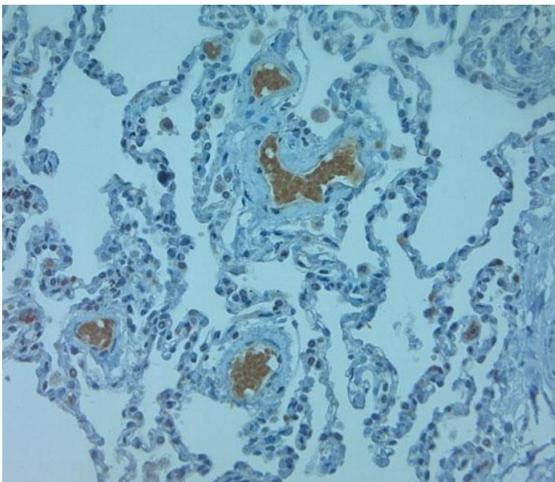
Immunohistochemistry

Image 1. IHC on paraffin sections of human stomach using Rabbit antibody to SLC11A2: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.Detection was done using Novolink HRP polymer from Leica following manufacturers instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer).Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry

Image 2. IHC on paraffin sections of human testis using Rabbit antibody to SLC11A2: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.Detection was done using Novolink HRP polymer from Leica following manufacturers instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer).Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry

Image 3. IHC on paraffin sections of human thyroid using Rabbit antibody to SLC11A2: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.Detection was done using Novolink HRP polymer from Leica following manufacturers instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer).Sections were counterstained with Harris Hematoxylin.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN1841956.