

DMT1/SLC11A2 Rabbit pAb

Catalog No.: A10231 **10 Publications**

Basic Information

Observed MW

72kDa

Calculated MW

62kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the solute carrier family 11 protein family. The product of this gene transports divalent metals and is involved in iron absorption. Mutations in this gene are associated with hypochromic microcytic anemia with iron overload. A related solute carrier family 11 protein gene is located on chromosome 2. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:1000 - 1:2000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

4891

Swiss Prot

P49281

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-63 of human DMT1/SLC11A2 (NP_001167597.1).

Synonyms

DCT1; DMT1; AHMIO1; NRAMP2; DMT1/SLC11A2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

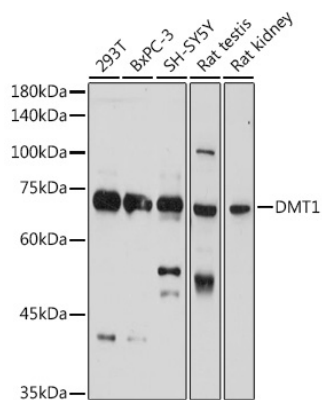
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using DMT1/SLC11A2 Rabbit pAb (A10231) at 1:1000 dilution.

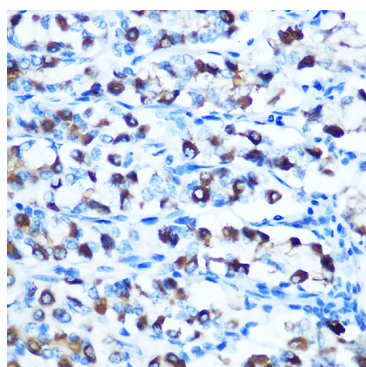
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

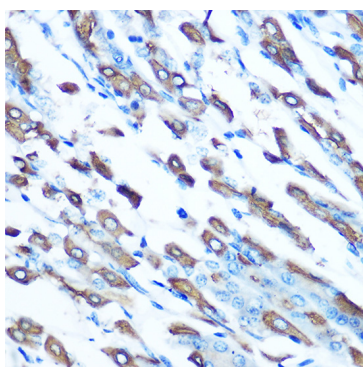
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded rat stomach using DMT1/SLC11A2 Rabbit pAb (A10231) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse stomach using DMT1/SLC11A2 Rabbit pAb (A10231) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.