

Anti-DMT1(divalent metal transporter 1) Polyclonal Antibody

Cat. #: 60B529

Description:

Divalent metal transporter 1(DMT1) mediates apical iron uptake into duodenal enterocytes and also transfers iron from the endosome into the cytosol after cellular uptake via the transferrin receptor. Hence, mutations in DMT1 cause systemic iron deficiency and anemia.

Species: mouse, human

Storage and Stability: at -20oC

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse Divalent metal transporter 1 (DMT1)

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

References

Hubert,N. et al, Proc. Natl. Acad. Sci. U.S.A. 99 (19), 12345-12350 (2002)
Garrick MD, et al, Biometals. 16(1), 41-54 (2003)
Gunshin H, et al, FEBS Lett. 509(2), 309-16 (2001)
Ke Y, et al, Neurobiol Aging. 26(5), 739-48 (2005)
Ke Y, et al, J Cell Physiol. 196(1), 124-30 (2003)
Fleming RE, et al, Proc Natl Acad Sci U S A. 96(6), 3143-8 (1999)

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)