

For Research Use Only

CoraLite® Plus 488-conjugated DMT1 Polyclonal antibody



Catalog Number: CL488-20507

Featured Product

Basic Information

Catalog Number: CL488-20507	GenBank Accession Number: BC002592	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4891	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: solute carrier family 11 (proton- coupled divalent metal ion transporters), member 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
IsoType: IgG	Calculated MW: 568 aa, 62 kDa	
Immunogen Catalog Number: AG14314	Observed MW: 60-70 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse small intestine tissue,
Species Specificity: human, mouse, rat	

Background Information

SLC11A2 (also known as DMT1, Nramp2, and DCT1) is a member of the divalent cation transporters that plays a central role in iron homeostasis. SLC11A2 is widely expressed in many tissues including brain, kidney, testis, duodenum and placenta. As a membrane protein, SLC11A2 is localized on the apical membrane of enterocytes as well as in transferrin-cycle endosomes. Four isoforms of SLC11A2 exist due to the alternative splicing. They differ at the NH2 and COOH termini but share a common central domain. A variety of molecular weights of SLC11A2 in western blot analysis, ranging from 50 to 100 kDa, has been reported in different cells and species. The differences in molecular weights may be attributed to the level of glycosylation, proteolysis, or the membrane protein itself. This antibody detected various forms of SLC11A2 of 45-100 kDa.

Storage

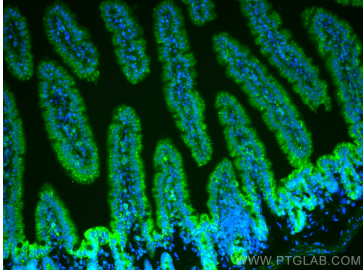
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using CoraLite® Plus 488 DMT1 antibody (CL488-20507) at dilution of 1:200.