BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-DMT1/SLC11A2 Antibody

Catalog Number: A02622-2

About SLC11A2

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.

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Overview

Product Name	Anti-DMT1/SLC11A2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-DMT1/SLC11A2 Antibody catalog # A02622-2. Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt□-20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P49281

Technical Details

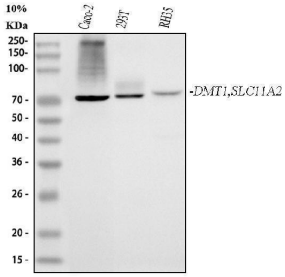
Immunogen	E.coli-derived human DMT1/SLC11A2 recombinant protein (Position: M1-Y84).
Form	Liquid

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Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunofluorescence, 1:50-400

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Anti-DMT1/SLC11A2 Antibody (A02622-2) Images



Western blot analysis of DMT1/SLC11A2 using anti-DMT1/SLC11A2 antibody (A02622-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: rat RH-35 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DMT1/SLC11A2 antigen affinity purified polyclonal antibody (A02622-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for DMT1/SLC11A2 at approximately 70 kDa. The expected band size for DMT1/SLC11A2 is at 62 kDa.

Anti-DMT1/SLC11A2 Antibody

For Research Use Only. Not for use in diagnostic procedures.