

## Anti-DMT1 Rabbit pAb



WL05401

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

|                              |                                                                                                                 |               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------|
| <b>Product name</b>          | Anti-DMT1 Rabbit pAb                                                                                            |               |
| <b>Source</b>                | Rabbit                                                                                                          |               |
| <b>Species reactivity</b>    | Human, Mouse, Rat                                                                                               |               |
| <b>Tested applications</b>   | WB                                                                                                              | 1:1000-1:2000 |
|                              | IHC, IF                                                                                                         | 1:100-1:500   |
| <b>Cellular localization</b> | Cell membrane, Early endosome, Endosome membrane, Mitochondrion outer membrane, Multi-pass membrane protein.    |               |
| <b>Pack size</b>             | 50/100/200/500/1000μl                                                                                           |               |
| <b>Storage</b>               | Store at -20°C. <b>Avoid freeze/thaw cycles.</b>                                                                |               |
| <b>Storage buffer</b>        | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide |               |

## General Information

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background</b>   | SLC11A2 (also known as DMT1, Nramp2, and DCT1) is a member of the divalent cation transporters that plays a central role in iron homeostasis. 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. |
| <b>Immunogen</b>    | Polyclonal antibody is produced by immunizing animals with a synthetic peptide of DMT1.                                                                                                                                                                                                                                                                                                                               |
| <b>Purification</b> | Polyclonal antibody was purified by Protein A affinity chromatography.                                                                                                                                                                                                                                                                                                                                                |

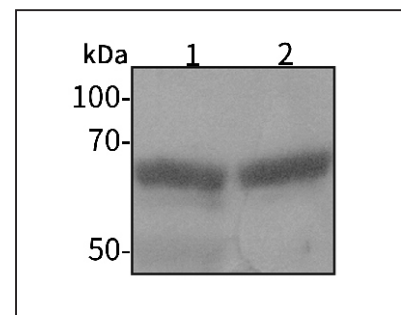
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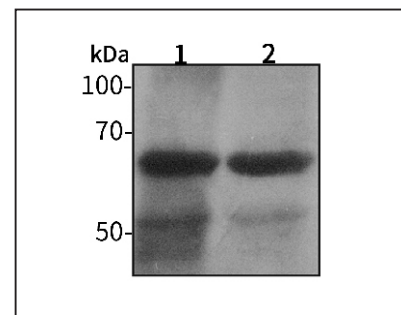
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## Product Images



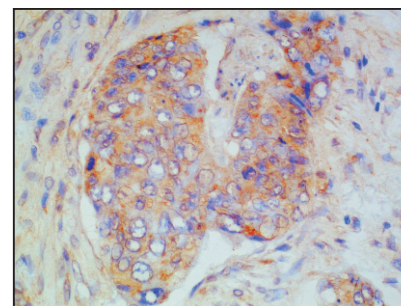
Western blot-Anti-DMT1 pAb

Lane 1: Human Hela cell lysate  
 Lane 2: Human MCF-7 cell lysate  
 Lane 3: Human HEK-293 cell lysate  
 All lanes: Anti-DMT1 at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 62 kDa  
 Observed band size: 62 kDa



Western blot-Anti-DMT1 pAb

Lane 1: Rat colon tissue lysate  
 Lane 2: Rat stomach tissue lysate  
 All lanes: Anti-DMT1 at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 62 kDa  
 Observed band size: 62 kDa



Immunohistochemistry-Anti-DMT1 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-DMT1 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

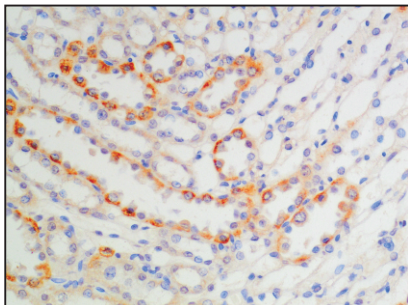
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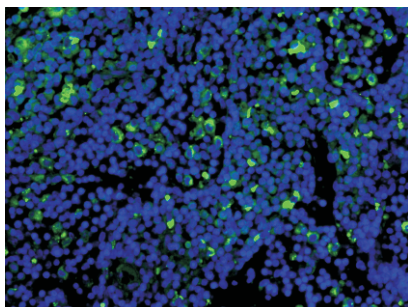
## Product Information



### Immunohistochemistry-Anti-DMT1 pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-DMT1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



### Immunofluorescence-Anti-DMT1 pAb

Immunofluorescence analysis of paraffin-embedded rat thymus gland using anti-DMT1 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0