

# Anti-DMT1 Antibody

## ER1907-55



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IHC-P, IF-Tissue
<b>Molecular Wt:</b>	62 KDa

**Description:** Actin-bundling protein. May function in mitogen-activated protein kinase pathway.

**Immunogen:** KLH conjugated synthetic peptide derived from human DMT1 251-350/568

**Positive control:** Heart, brain, lung, skeletal muscle, and kidney.

**Subcellular location:** Cytoplasm.

**Database links:** SwissProt: P49281 Human

### Recommended Dilutions:

<b>WB</b>	1:500-2000
<b>IHC-P</b>	1:100-500
<b>IF-tissue</b>	1:100-500

**Storage Buffer:** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Storage Instruction:** Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20℃. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4℃.

**Purity:** Protein A affinity purified.

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Orders:0086-571-88062880

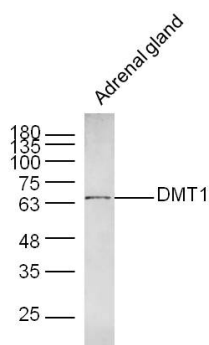
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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Sample:

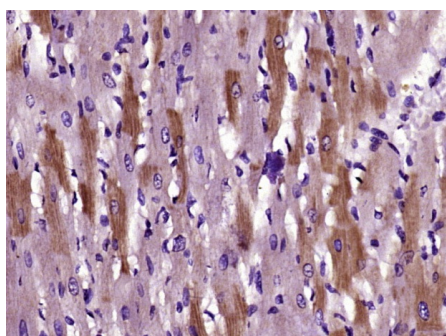
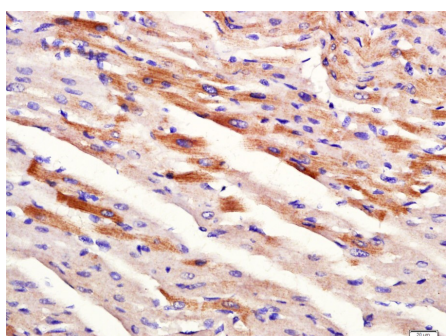
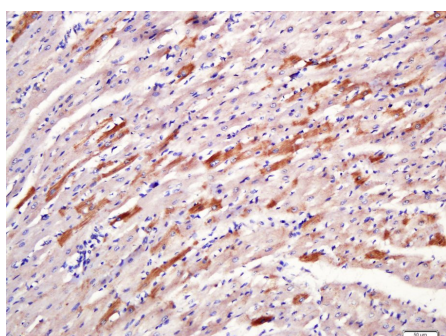
Adrenal glands (Mouse) Lysate at 40 ug

Primary: Anti-DMT1 (ER1907-55) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kD

Observed band size: 64 kD

**Fig2:** Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DMT1) Polyclonal Antibody, Unconjugated (ER1907-55) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.**Fig3:** Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Divalent metal transporter 1; DMT1) Polyclonal Antibody, Unconjugated (ER1907-55) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.**Fig4:** Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Divalent metal transporter 1; DMT1) Polyclonal Antibody, Unconjugated (ER1907-55) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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