

Anti-Mitoferrin-1 (Mitochondrial iron transporter 1) Polyclonal Antibody

Cat. #: 60B448

Description:

Mitoferrin-1 (Mitochondrial iron transporter 1) specifically mediates iron uptake in developing erythroid cells, thereby playing an essential role in heme biosynthesis. The iron delivered into the mitochondria, presumably as Fe(2+), is then probably delivered to ferrochelatase to catalyze Fe(2+) incorporation into protoporphyrin IX to make heme.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse Mitoferrin-1 (Mitochondrial iron transporter 1) (Solute carrier family 25 member 37) (Mitochondria solute carrier protein).

References

Shaw, G.C., et al, Nature 440 (7080), 96-100 (2006)
Li, Q.Z., et al, Mamm. Genome 12 (11), 830-836 (2001)

Species: mouse

Storage and Stability: at -20°C

Storage buffer:

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

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)