

Datasheet

SLC40A1 polyclonal antibody

Catalog Number: PAB15509

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SLC40A1.

Immunogen: A synthetic peptide corresponding to amino acids 250-300 of human SLC40A1.

Host: Rabbit

Reactivity: Human, Mouse

Applications: WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Western blot where a band is seen at ~62 KDa.

Form: Liquid

Recommend Usage: Western Blot (1 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris-glycine, 150 mM NaCl, pH 7.5 (0.05% sodium azide)

Storage Instruction: Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 30061

Gene Symbol: SLC40A1

Gene Alias: FPN1, HFE4, IREG1, MST079, MSTP079, MTP1, SLC11A3

Gene Summary: The protein encoded by this gene is a cell membrane protein that may be involved in iron export from duodenal epithelial cells. Defects in this

gene are a cause of hemochromatosis type 4 (HFE4). [provided by RefSeq]

References:

1. Ferroportin-1 is a 'nuclear'-negative acute-phase protein in rat liver: a comparison with other iron-transport proteins. Naz N, Malik IA, Sheikh N, Ahmad S, Khan S, Blaschke M, Schultze F, Ramadori G. Lab Invest. 2012 Apr 2. doi: 10.1038/labinvest.2012.52. [Epub ahead of print]
2. Iron loading inhibits ferroportin1 expression in PC12 cells. Chen Y, Qian ZM, Du J, Duan X, Chang Y, Wang Q, Wang C, Ma YM, Xu Y, Li L, Ke Y. Neurochem Int. 2005 Dec;47(7):507-13.
3. The iron exporter ferroportin/Slc40a1 is essential for iron homeostasis. Donovan A, Lima CA, Pinkus JL, Pinkus GS, Zon LI, Robine S, Andrews NC. Cell Metab. 2005 Mar;1(3):191-200.