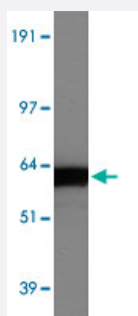


SLC40A1 polyclonal antibody

Catalog # PAB15509 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of human intestine lysate with SLC40A1 polyclonal antibody (Cat # PAB15509).

Specification

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
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot of human intestine lysate with SLC40A1 polyclonal antibody (Cat # PAB15509).

Gene Info — SLC40A1

Entrez GeneID	30061
Protein Accession#	Q9NP59
Gene Name	SLC40A1
Gene Alias	FPN1, HFE4, IREG1, MST079, MSTP079, MTP1, SLC11A3
Gene Description	solute carrier family 40 (iron-regulated transporter), member 1
Omim ID	604653 606069
Gene Ontology	Hyperlink
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]
Other Designations	ferroportin 1 iron regulated gene 1 putative ferroportin 1 variant III B solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3

Publication Reference

- [N,N'-bis-\(2-mercaptoethyl\) isophthalamide \(NBMI\) exerts neuroprotection against lead-induced toxicity in U-87 MG cells.](#)

Rajitha Gadde, Swati Betharia.

Archives of Toxicology 2021 Aug; 95(8):2643.

Application: WB-Ce, Human, U-87 MG cells

- [Neuroprotective effects of disubstituted dithiolethione ACDT against manganese-induced toxicity in SH-SY5Y cells.](#)

Neha Kulkarni, Rajitha Gadde, Kuljeet S Gugnani, Nguyen Vu, Claude Yoo, Rohan Zaveri, Swati Betharia.

Neurochemistry International 2021 Jul; 147:105052.

Application: WB-Ce, Human, SH-SY5Y cells

- [Upregulation of miR-18a-5p promotes the proliferation of prostate cancer via inhibiting the expression of SLC40A1.](#)

Bin Liang, Cuixing Zhou, Shouxi Cui, Hao Lu, Renfang Xu, Dong Xue, Songnian Zou, Xiaozhou He.

Pathology, Research and Practice 2021 Aug; 224:153448.

Application: IHC, WB-Tr, Human, DU145 cells, Human prostate cancer, PC-3 cells

- [Hepatic heparan sulfate is a master regulator of hepcidin expression and iron homeostasis in human hepatocytes and mice.](#)

Poli M, Anower-E-Khuda F, Asperti M, Ruzzenenti P, Gryzik M, Denardo A, Gordts PLSM, Arosio P, Esko JD.

The Journal of Biological Chemistry 2019 Sep; 294(36):13292.

Application: WB-Ti, Mouse, Mouse livers

- [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.

Laboratory Investigation 2012 Jun; 92(6):842.

Application: IF, WB-Ti, Rat, Liver, Spleen

- [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.

Neurochemistry International 2005 Dec; 47(7):507.

Application: WB, Rat, PC-12 cells

- [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 Metabolism 2005 Mar; 1(3):191.

Application: IHC-P, WB-Tr, Dog, Mouse, MDCK, Mouse embryos

Disease

- [Abortion](#)

- [Anemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cystic fibrosis](#)
- [Disease Progression](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [Iron Metabolism Disorders](#)
- [Iron Overload](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Varicose Ulcer](#)