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Rabbit Anti-SLC40A1 antibody

SL3579R

Product Name:	SLC40A1
Chinese Name:	The cell membrane铁TransporterFP1抗体
Alias:	Ferroportin 1; Ferroportin-1; FPN1; HFE4; IREG1; Iron regulated transporter 1; Iron-regulated transporter 1; MTP1; S40A1_HUMAN; SLC40A1; Solute carrier family 40 member 1; MST079; MSTP079; MTP1; SLC11A3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC40A1:201-300/571
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C 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°C. 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 °C.
PubMed:	PubMed
Product Detail:	SLC40A1 may be involved in iron export from duodenal epithelial cells and also in transfer of iron between maternal and fetal circulation. It mediates iron efflux in the presence of a ferroxidase (hephaestin and/or ceruloplasmin). Defects in SLC40A1 are the cause of hemochromatosis type 4, an autosomal dominant iron-loading disorder characterized by early iron accumulation in reticuloendothelial cells and a marked increase in serum ferritin.

Function:
May be involved in iron export from duodenal epithelial cell and also in transfer of iron between maternal and fetal circulation. Mediates iron efflux in the presence of a ferroxidase (hephaestin and/or ceruloplasmin).

Subcellular Location:
Cell membrane; Multi-pass membrane protein. Note=Localized to the basolateral membrane of polarized epithelial cells.

Tissue Specificity:
Expressed in placenta, intestine, muscle and spleen.

DISEASE:
Defects in SLC40A1 are the cause of hemochromatosis type 4 (HFE4) [MIM:606069]. HFE4 is an autosomal dominant iron-loading disorder characterized by early iron accumulation in reticuloendothelial cells and a marked increase in serum ferritin before elevation of the transferrin saturation.

Similarity:
Belongs to the ferroportin (FP) (TC 2.A.100) family. SLC40A subfamily.

SWISS:
Q9NP59

Gene ID:
30061

Database links:

Entrez Gene: 30061Human

Entrez Gene: 53945Mouse

Entrez Gene: 170840Rat

Omim: 604653Human

SwissProt: Q9NP59Human

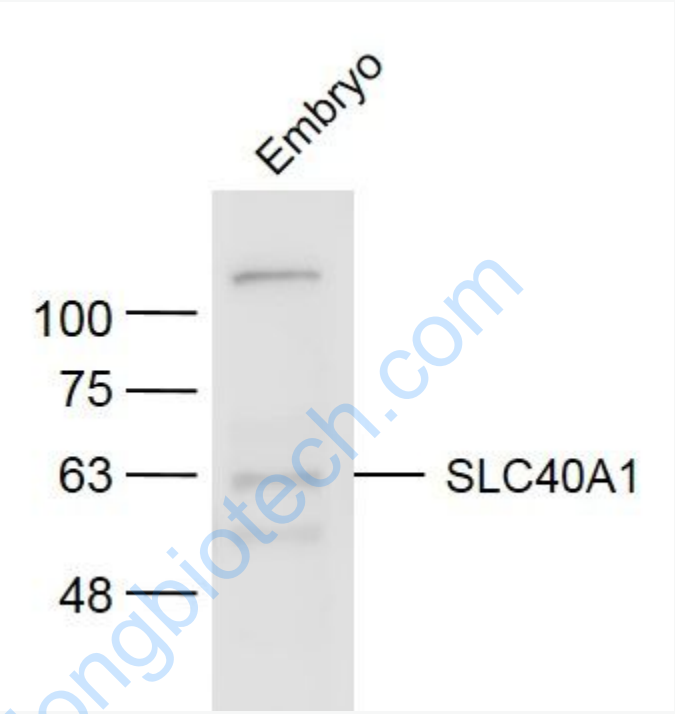
SwissProt: Q9JHI9Mouse

SwissProt: Q923U9Rat

Unigene: 643005Human

Unigene: 28756Mouse

Unigene: 15324Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Embryo (Mouse) Lysate at 40 ug Primary: Anti-SLC40A1 (SL3579R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 63 kD