

**Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin)
Recombinant Antibody
Catalog # APR11037****Specification****Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	Q9NP59
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	150 KDa

Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) - Additional Information**Target/Specificity**
SLC40A1**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) - Protein Information****Name** SLC40A1 ([HGNC:10909](#))**Function**
Transports Fe(2+) from the inside of a cell to the outside of the cell, playing a key role for maintaining systemic iron homeostasis (PubMed:15692071, PubMed:22178646, PubMed:22682227, PubMed:24304836, PubMed:29237594, PubMed:29599243, PubMed:30247984). Transports iron from intestinal, splenic, hepatic cells, macrophages and erythrocytes into the blood to provide iron to other tissues (By similarity). Controls therefore dietary iron uptake, iron recycling by

macrophages and erythrocytes, and release of iron stores in hepatocytes (By similarity). When iron is in excess in serum, circulating HAMP/hepcidin levels increase resulting in a degradation of SLC40A1, thus limiting the iron efflux to plasma (PubMed:22682227, PubMed:29237594, PubMed:32814342).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Note=Localized to the basolateral membrane of hepatocytoma WIF-B cells.

Tissue Location

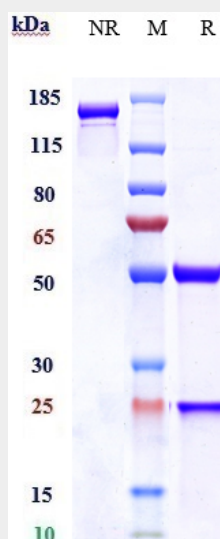
Detected in erythrocytes (at protein level) (PubMed:23219802). Expressed in placenta, intestine, muscle and spleen (PubMed:10747949). Highly expressed in mature red blood (PubMed:29599243).

Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) - Protocols

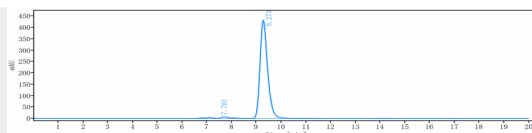
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) - Images



Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) is more than 95% ,determined by SEC-HPLC.