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

Recombinant Antibody
Catalog # APR11037

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9NP59
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	62542

Additional Information

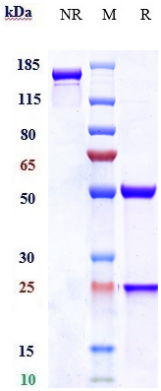
Target/Specificity	SLC40A1
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

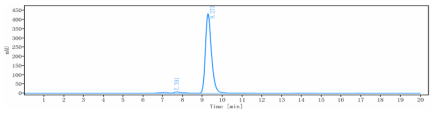
Name	SLC40A1 (HGNC:10909)
Function	Transports Fe(2+) from the inside of a cell to the outside of the cell, playing a key role for maintaining systemic iron homeostasis (PubMed:15692071, PubMed:22178646, PubMed:22682227, PubMed:24304836, PubMed:29237594, PubMed:29599243, PubMed:30247984). Transports iron 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).

Images



Anti-SLC40A1 Reference Antibody (Amgen patent anti-Ferroportin) on SDS-PAGE under reducing (R) condition. 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.