MaxPab®

SLC11A2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004891-B01P Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SLC11A2 protein.
Immunogen	SLC11A2 (ACT64403.1, 1 a.a. ~ 561 a.a) full-length human protein.
Sequence	MVLGPEQKMSDDSVSGDHGESASLGNINPAYSNPSLSQSPGDSEEYFATYFNEKISIPEEEYSCF SFRKLWAFTGPGFLMSIAYLDPGNIESDLQSGAVAGFKLLWILLLATLVGLLLKRLAARLGVVTGLH LAEVCHRQYPKVPRVILWLMVELAIIGSDMQEVIGSAIAINLLSVGRIPLWGGVLITIADTFVFLFLDKY GLRKLEAFFGFLITIMALTFGYEYVTVKPSQSQVLKGMFVPSCSGCRTPQIEQAVGIVGAVIMPHNM YLHSALVKSRQVNRNNKQEVREANKYFFIESCIALFVSFIINVFVVSVFAEAFFGKTNEQVVEVCTN TSSPHAGLFPKDNSTLAVDIYKGGVVLGCYFGPAALYIWAVGILAAGQSSTMTGTYSGQFVMEGFL NLKWSRFARVVLTRSIAIIPTLLVAVFQDVEHLTGMNDFLNVLQSLQLPFALIPILTFTSLRPVMSDF ANGLGWRIAGGILVLIICSINMYFVVVYVRDLGHVALYVVAAVVSVAYLGFVFYLGWQCLIALGMSFL DCGHTVSISKGLLTEEATRGYVK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (91)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — SLC11A2

Entrez GeneID	4891
GeneBank Accession#	GQ129269.1
Protein Accession#	ACT64403.1
Gene Name	SLC11A2
Gene Alias	DCT1, DMT1, FLJ37416, NRAMP2
Gene Description	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
Omim ID	206100 600523
Gene Ontology	Hyperlink
Gene Summary	The SLC11A2 gene encodes a divalent metal transporter (DMT1), which carries iron, manganese , cobalt, nickel, cadmium, lead, copper, and zinc. DMT1 participates in cellular iron absorption at t he luminal surface of the duodenum as well as in other areas of the body (Hubert and Hentze, 200 2 [PubMed 12209011]; Ludwiczek et al., 2007 [PubMed 17293870]).[supplied by OMIM
Other Designations	natural resistance-associated macrophage protein 2

Pathway

- Lysosome

Disease

- Abortion
- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hemochromatosis

- Hereditary hemochromatosis
- Iron Overload
- Tobacco Use Disorder
- Tuberculosis