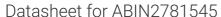
antibodies -online.com







anti-SLC11A1 antibody (C-Term)



Image



Publication



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Quantity:	100 μL	
Target:	SLC11A1	
Binding Specificity:	C-Term	
Reactivity:	Human, Rat, Mouse, Cow, Guinea Pig, Rabbit, Goat, Horse, Sheep, Dog	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SLC11A1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human	
	SLC11A1	
Sequence:	VLLTRSCAIL PTVLVAVFRD LRDLSGLNDL LNVLQSLLLP FAVLPILTFT	
Predicted Reactivity:	Cow: 100%, Dog: 93%, Goat: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 93%,	

Purification:

Characteristics:

Protein A purified

Rabbit: 100%, Rat: 100%, Sheep: 93%

cell lysate as a positive control.

Target Details

Target: SLC11A1

This is a rabbit polyclonal antibody against SLC11A1. It was validated on Western Blot using a

Target Details

Alternative Name:	SLC11A1 (SLC11A1 Products)	
Background:	SLC11A1 is a member of the solute carrier family 11 (proton-coupled divalent metal ion	
	transporters) family and is a multi-pass membrane protein. The protein functions as a divalent	
	transition metal (iron and manganese) transporter involved in iron metabolism and host	
	resistance to certain pathogens. Mutations in its gene have been associated with susceptibility	
	to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as	
	rheumatoid arthritis and Crohn disease.	
	Alias Symbols: LSH, NRAMP, NRAMP1	
	Protein Size: 550	
Molecular Weight:	61 kDa	
Gene ID:	6556	
NCBI Accession:	NM_000578, NP_000569	
UniProt:	P49279	
Pathways:	Transition Metal Ion Homeostasis, Production of Molecular Mediator of Immune Response,	
	Protein targeting to Nucleus	

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 550 AA
Restrictions:	For Research Use only

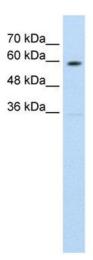
Handling

Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	

Handling

Storage:	-20 °C		
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small		
	aliquots to prevent freeze-thaw cycles.		
Publications			
Product cited in:	Halwachs, Lakoma, Schäfer, Seibel, Honscha: "The antiepileptic drugs phenobarbital and		
	carbamazepine reduce transport of methotrexate in rat choroid plexus by down-regulation of		
	the reduced folate carrier." in: Molecular pharmacology , Vol. 80, Issue 4, pp. 621-9, (2011) (
	PubMed).		
	Marchi, Paoluzzi, Scotto, Seshan, Zain, Zinzani, OConnor: "Pralatrexate is synergistic with the		
	proteasome inhibitor bortezomib in in vitro and in vivo models of T-cell lymphoid malignancies."		
	in: Clinical cancer research : an official journal of the American Association for Cancer		
	Research , Vol. 16, Issue 14, pp. 3648-58, (2010) (PubMed).		

Images



Western Blotting

Image 1. WB Suggested Anti-SLC11A1 Antibody Titration:1.25ug/ml Positive Control: HepG2 cell lysate