Datasheet for ABIN2781567

anti-SLC39A7 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	SLC39A7
Binding Specificity:	N-Term
Reactivity:	Human, Dog, Pig, Rabbit, Sheep, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC39A7
Sequence:	HDHEHSHGGY GESGAPGIKQ DLDAVTLWAY ALGATVLISA APFFVLFLIP
Predicted Reactivity:	Cow: 86%, Dog: 100%, Horse: 100%, Human: 100%, Pig: 100%, Rabbit: 100%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against SLC39A7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SLC39A7

Target Details

Alternative Name:	SLC39A7 (SLC39A7 Products)
Background:	Zinc is an essential cofactor for more than 50 classes of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. Zinc cannot passively diffuse across cell membranes and requires specific transporters, such as SLC39A7, to enter the cytosol from both the extracellular environment and from intracellular storage compartments.Zinc is an essential cofactor for more than 50 classes of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. Zinc cannot passively diffuse across cell membranes and requires specific transporters, such as SLC39A7, to enter the cytosol from both the extracellular environment and from intracellular storage compartments.[supplied by OMIM]. Alias Symbols: D6S115E, D6S2244E, H2-KE4, HKE4, KE4, RING5, ZIP7 Protein Interaction Partner: UBC, SUZ12, BMI1, YY1, SUMO1, USP49, RGS20, CD40, Protein Size: 469
Molecular Weight:	50 kDa
Gene ID:	7922
NCBI Accession:	NM_001077516, NP_001070984
UniProt:	Q92504
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 469 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

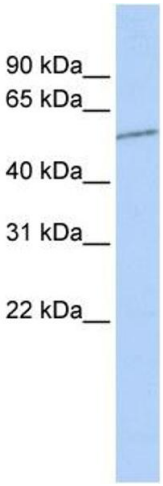
Handling

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.
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:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SLC39A7 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: MCF7 cell lysate