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Datasheet for ABIN5010648

anti-SLC39A7 antibody (AA 201-300) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	SLC39A7
Binding Specificity:	AA 201-300
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A7 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC39A7
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SLC39A7
Alternative Name:	SLC39A7 (SLC39A7 Products)

Target Details

Background: Synonyms: D6S115E, D6S2244E, H2 KE4, Histidine rich membrane protein Ke4, Histidine-rich membrane protein Ke4, HKE4, HLA class II region expressed gene KE4, KE4, Ke4 gene mouse, human homolog of, Really interesting new gene 5 protein, RING5, S39A7_HUMAN, SLC39A7, Solute carrier family 39 zinc transporter, member 7, Solute carrier family 39 member 7, solute carrier family 39 zinc transporter member 7, Zinc transporter SLC39A7, ZIP7.

Background: Zinc is an essential cofactor for more than 50 classes of enzymes and is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, plus 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.

Gene ID: 7922

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months