Datasheet for ABIN6147995

anti-SLC39A8 antibody (AA 180-300)

2 Images

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Overview

Quantity:	100 µL
Target:	SLC39A8
Binding Specificity:	AA 180-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 180-300 of human ZIP8 (NP_071437.3).
Sequence:	QLIPEAFGFD PKVDSYVEKA VAVFGGFYLL FFFERMLKML LKTYGQNGHT HFGNDNFGPQ EKTHQPKALP AINGVTCYAN PAVTEANGHI HFDNVSVVSL QDGKKEPSSC TCLKGPKLSE I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SLC39A8

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Target Details

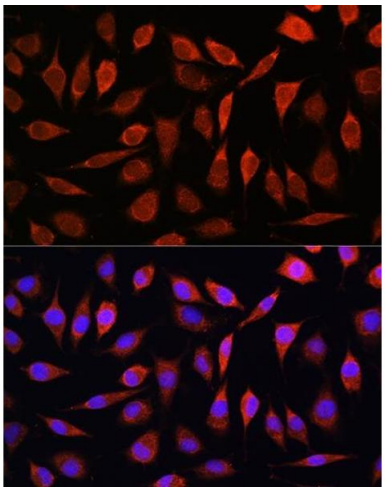
Alternative Name:	SLC39A8 (SLC39A8 Products)
Background:	This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.,SLC39A8,BIGM103,CDG2N,LZT-Hs6,PP3105,ZIP8,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Cell differentiation,Endocrine & Metabolism,Lipid Metabolism,SLC39A8
Molecular Weight:	43 kDa/48 kDa/49 kDa
Gene ID:	64116
UniProt:	Q9C0K1

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

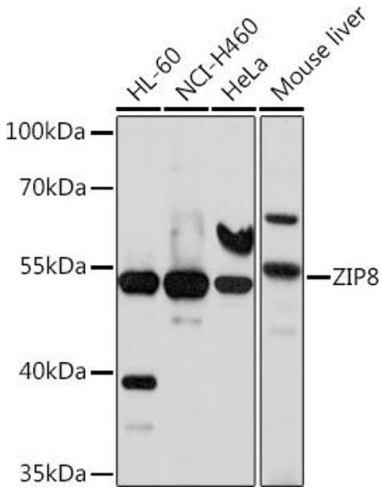
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using ZIP8 Rabbit pAb (ABIN6131079, ABIN6147995, ABIN6147996 and ABIN6214638) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ZIP8 antibody (ABIN6131079, ABIN6147995, ABIN6147996 and ABIN6214638) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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