

For Research Use Only

SLC39A9 Polyclonal antibody

Catalog Number: 17607-1-AP



Basic Information

Catalog Number:

17607-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11752

GenBank Accession Number:

BC047682

GeneID (NCBI):

55334

UNIPROT ID:

Q9NUM3

Full Name:

solute carrier family 39 (zinc transporter), member 9

Calculated MW:

307 aa, 32 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HUVEC cells,

IHC : human placenta tissue,

Background Information

Zinc transporter ZIP9 subfamily (SLC39A9) encodes a protein with characteristics of a membrane androgen receptor (mAR). Human ZIP9 is a 307-amino acid protein, which has eight putative transmembrane domains. ZIP9 has also been identified and characterized as a resident protein in the Golgi in DT40 and HeLa cell lines (PMID: 19420709, 23505453). ZIP9 may be present on the cell surface, as well as nuclear and mitochondrial membranes, in human breast and prostate cancer cell lines, where it mediates testosterone induction of apoptosis (PMID: 29952128). Knockout of ZIP9 would lead to zinc accumulation in the secretory pathway, which could influence the general ion homeostasis and in turn the glycosylation outcome (PMID: 36648436).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

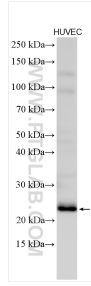
T: 4006900926

E: Proteintech-CN@ptglab.com

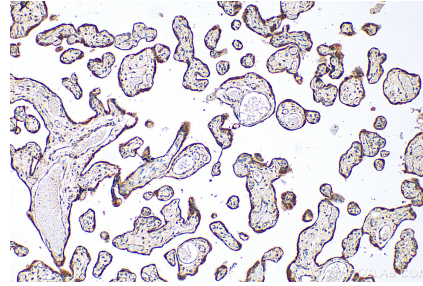
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17607-1-AP (SLC39A9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 17607-1-AP (SLC39A9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).