

For Research Use Only

SLC39A9 Polyclonal antibody

Catalog Number: 17607-1-AP



Basic Information

Catalog Number: 17607-1-AP	GenBank Accession Number: BC047682	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 55334	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NUM3	
Isotype: IgG	Full Name: solute carrier family 39 (zinc transporter), member 9	
Immunogen Catalog Number: AG11752	Calculated MW: 307 aa, 32 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HUVEC cells, IHC : human placenta tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

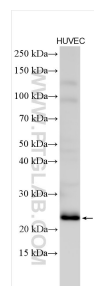
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

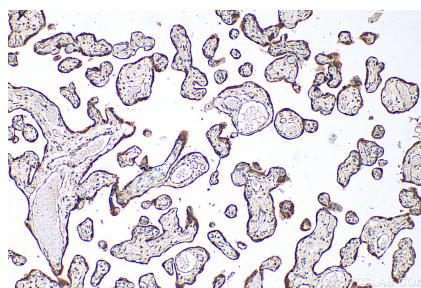
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).