For Research Use Only

SCARA5 Polyclonal antibody, PBS Only

Catalog Number:55390-1-PBS

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Basic Information

Catalog Number:
55390-1-PBS

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_173833

GeneID (NCBI):
286133

UNIPROT ID:
Q6ZMJ2

Full Name:
scavenger receptor class A, member 5 (putative)

Calculated MW:
54 kDa

Observed MW:
43 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

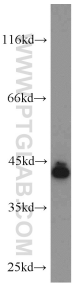
SCARA5 belongs to the SCARA5 family. It is a ferritin receptor that mediates non-transferrin-dependent delivery of iron. SCARA5 mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the cell. Delivery of iron to cells by ferritin is required for the development of specific cell types, suggesting the existence of cell type-specific mechanisms of iron traffic in organogenesis, which alternatively utilize transferrin or non-transferrin iron delivery pathways. Ferritin mediates iron uptake in capsule cells of the developing kidney. SCARA5 binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1). This antibody can recognize isoform 1,2 and 3 of SCARA5.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 55390-1-AP (SCARA5 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55390-1-PBS in a different storage buffer formulation.