

For Research Use Only

SCARA5 Polyclonal antibody

Catalog Number: 55390-1-AP **1 Publications**



Basic Information

Catalog Number: 55390-1-AP	GenBank Accession Number: NM_173833	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 527 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 286133	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: scavenger receptor class A, member 5 (putative)	
Isotype: IgG	Calculated MW: 54 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Hao Li	30714472	J Biomater Appl	WB

Storage

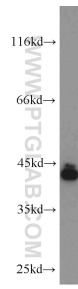
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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



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.