

SCARA5 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13756**Specification**

SCARA5 Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q6ZMJ2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A

SCARA5 Antibody (C-Terminus) - Additional Information**Gene ID** 286133**Other Names**

Scavenger receptor class A member 5, Scavenger receptor hlg, SCARA5

Target/Specificity

Human SCARA5

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SCARA5 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SCARA5 Antibody (C-Terminus) - Protein Information**Name** SCARA5 {ECO:0000255|HAMAP-Rule:MF_03070}**Function**

Ferritin receptor that mediates non-transferrin-dependent delivery of iron. 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. Preferentially binds ferritin light chain (FTL) compared to heavy chain (FTH1).

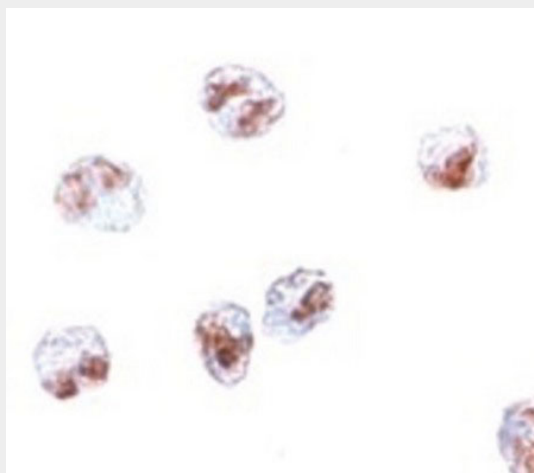
Cellular Location

Cell membrane {ECO:0000255|HAMAP-Rule:MF_03070}; Single-pass type II membrane protein {ECO:0000255|HAMAP-Rule:MF_03070}

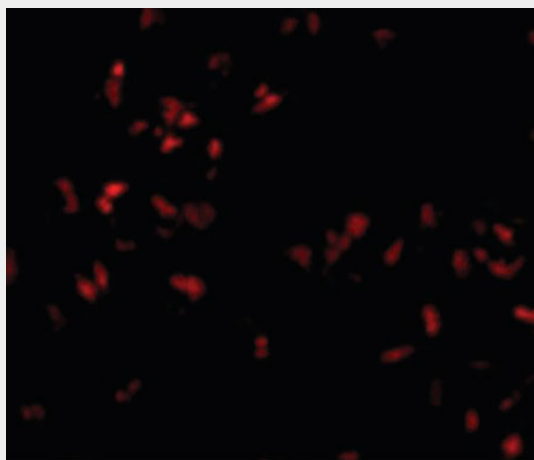
SCARA5 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

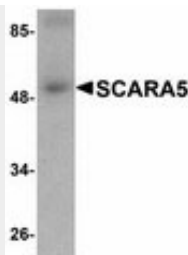
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SCARA5 Antibody (C-Terminus) - Images

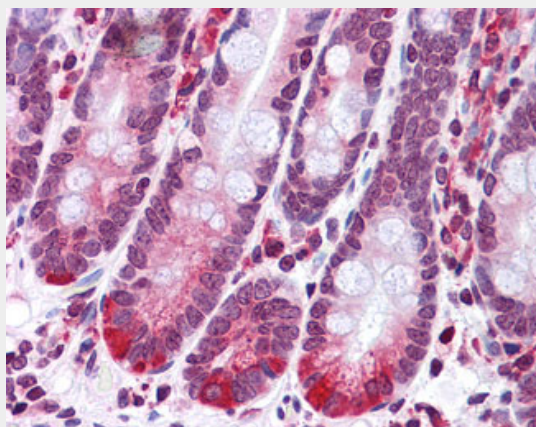
Immunocytochemistry of SCARA5 in HepG2 cells with SCARA5 antibody at 2.5 ug/ml.



Immunofluorescence of SCARA5 in HepG2 cells with SCARA5 antibody at 20 ug/ml.



Western blot of SCARA5 in human liver tissue lysate with SCARA5 antibody at 1 ug/ml.



Anti-SCARA5 antibody IHC of human small intestine.

SCARA5 Antibody (C-Terminus) - Background

Ferritin receptor that mediates non-transferrin- dependent delivery of iron. 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. Binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1) (By similarity).

SCARA5 Antibody (C-Terminus) - References

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Lin L.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.