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SCAR5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10041b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6ZMJ2
Other Accession	NP_776194.2
Reactivity	Human, Mouse
Predicted	Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27662
Calculated MW	53994
Antigen Region	385-413

Additional Information

Gene ID	286133
Other Names	Scavenger receptor class A member 5, Scavenger receptor hlg, SCARA5
Target/Specificity	This SCAR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-413 amino acids from the C-terminal region of human SCAR5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SCAR5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

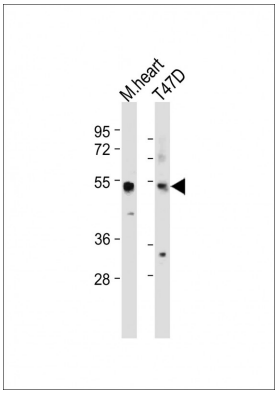
Name	SCARA5 {ECO:0000255|HAMAP-Rule:MF_03070}
Function	Ferritin receptor that mediates non-transferrin-dependent delivery of iron. Mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the

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).

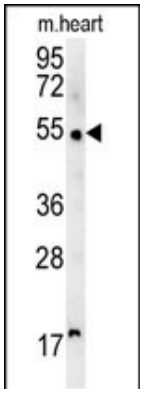
Cellular Location

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

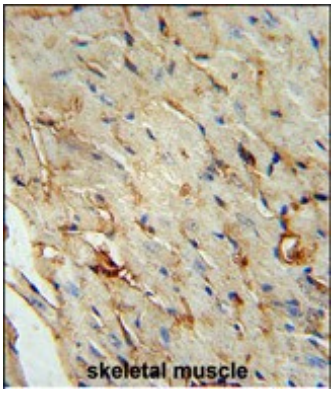
Images



All lanes : Anti-SCAR5 Antibody (C-term) at 1:500 dilution Lane 1: Moese heart tissue lysate Lane 2: T47D whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



SCAR5 Antibody (C-term) (Cat. #AP10041b) western blot analysis in mouse heart tissue lysates (15ug/lane).This demonstrates the SCAR5 antibody detected SCAR5 protein (arrow).



SCAR5 Antibody (C-term) (Cat. #AP10041b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SCAR5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.