ARG43455
anti-SCARA5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SCARA5
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Bov, Chk
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SCARA5
Species	Human
Immunogen	A 17-amino acid synthetic peptide within aa. 350 - 400 of Human SCARA5.
Conjugation	Un-conjugated
Alternate Names	Tesr; NET33; Scavenger receptor class A member 5; Scavenger receptor hlg

Application Instructions

Predict Reactivity Note	Based on sequence homology analysis: Bovine (100%), Mouse (88%), Chicken: (86%), Rat (80%)

Application table

Application	Dilution
ICC/IF	ICC: 2.5 µg/mL. IF: 20 µg/mL
WB	1 µg/mL

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human Liver Tissue Lysate, HepG2
Observed Size	~ 52 kDa

Properties

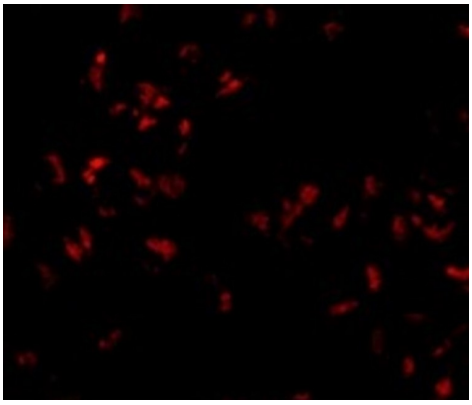
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

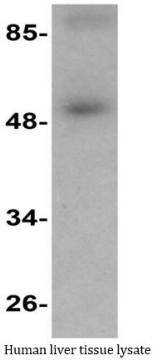
Gene Symbol	SCARA5
Gene Full Name	scavenger receptor class A member 5
Background	SCARA5 (Scavenger Receptor Class A Member 5) is a Protein Coding gene. Diseases associated with SCARA5 include Prostate Leiomyosarcoma and Prostate Stromal Sarcoma. Among its related pathways are Binding and Uptake of Ligands by Scavenger Receptors and Vesicle-mediated transport. Gene Ontology (GO) annotations related to this gene include scavenger receptor activity and ferritin receptor activity. An important paralog of this gene is MSR1. [GeneCards]
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. Binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1).
Calculated Mw	54 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Membrane

Images



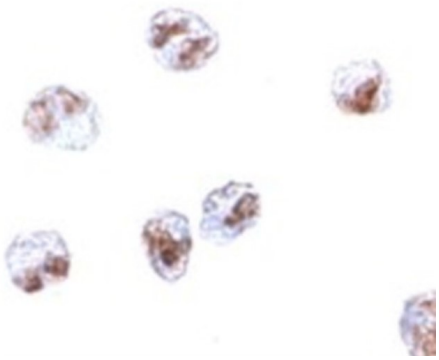
ARG43455 anti-SCARA5 antibody ICC/IF image

Immunofluorescence: HepG2 cells stained with ARG43455 anti-SCARA5 antibody at 20 µg/ml dilution.



ARG43455 anti-SCARA5 antibody WB image

Western blot: Human Liver tissue lysate stained with ARG43455 anti-SCARA5 antibody at 1 µg/ml dilution.



ARG43455 anti-SCARA5 antibody ICC/IF image

Immunocytochemistry: HepG2 cells stained with ARG43455 anti-SCARA5 antibody at 2.5 µg/ml dilution.