

ARG45284 anti-SPACA3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes SPACA3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	SPACA3
Species	Human
Immunogen	Recombinant protein containing to human SPACA3.
Conjugation	Un-conjugated
Alternate Names	SPACA3; Sperm Acrosome Associated 3; SLLP1; LYZL3; LYC3; CT54; Cancer/Testis Antigen 54; ALLP17; Lysozyme-Like Acrosomal Sperm-Specific Secretory Protein ALLP-17; Sperm Protein Reactive With Antisperm Antibodies; Sperm Acrosome Membrane-Associated Protein 3; Sperm Lysozyme-Like Acrosomal Protein 1; Sperm Protein Reactive With ASA; Sperm Lysozyme-Like Protein 1; Lysozyme-Like Protein 3; Lysozyme-Like Sperm-Specific Secretory Protein ALLP17; Lysozyme C; SPRASA; LYZC

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	40 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 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

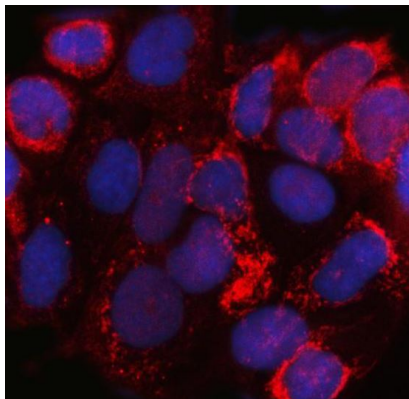
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

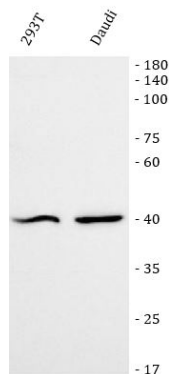
Gene Symbol	SPACA3
Gene Full Name	Sperm Acrosome Associated 3
Background	The protein encoded by this gene is a sperm surface protein that may be involved in adhesion to the egg prior to fertilization. While the encoded protein has significant similarity to lysozyme at the amino acid level, it has no detectable bacteriocidal activity. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]
Function	Sperm surface membrane protein that may be involved in sperm-egg plasma membrane adhesion and fusion during fertilization. It could be a potential receptor for the egg oligosaccharide residue N-acetylglucosamine, which is present in the extracellular matrix over the egg plasma membrane. The processed form has no detectable bacteriolytic activity in vitro. [UniProt]
Calculated Mw	23 kDa
PTM	Disulfide bond. [UniProt]
Cellular Localization	Cytoplasmic vesicle; Membrane; Secreted. [UniProt]

Images



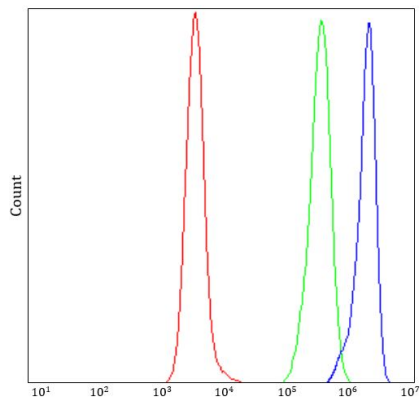
ARG45284 anti-SPACA3 antibody ICC/IF image

Immunofluorescence: CACO-2 stained with ARG45284 anti-SPACA3 antibody at 5 ug/ml dilution.



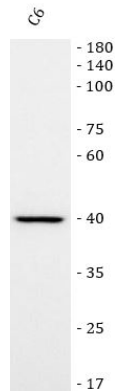
ARG45284 anti-SPACA3 antibody WB image

Western blot: 293T and Daudi stained with ARG45284 anti-SPACA3 antibody at 0.5 µg/ml dilution.



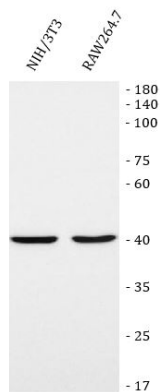
ARG45284 anti-SPACA3 antibody FACS image

Flow Cytometry: Daudi stained with ARG45284 anti-SPACA3 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45284 anti-SPACA3 antibody WB image

Western blot: C6 stained with ARG45284 anti-SPACA3 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45284 anti-SPACA3 antibody WB image

Western blot: NIH/3T3 and RAW264.7 stained with ARG45284 anti-SPACA3 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.