For Research Use Only

SPACA3 Polyclonal antibody

Catalog Number:21137-1-AP

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Basic Information

Catalog Number:
21137-1-AP

Size:
150ul , Concentration: 450 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG15589

GenBank Accession Number:
BC029867

GeneID (NCBI):
124912

UNIPROT ID:
Q8IXA5

Full Name:
sperm acrosome associated 3

Calculated MW:
215 aa, 23 kDa

Observed MW:
28-32 kDa, 46-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IF, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HEK-293 cells, mouse testis tissue

IF/ICC : HEK-293 cells,

Background Information

SPACA3, also named as LYC3, LYZL3, SLLP1, SPRASA, CT54 and ALLP-17, belongs to the glycosyl hydrolase 22 family. It is a 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. SPACA3 has a Dimer form(PMID:15982649).

Storage

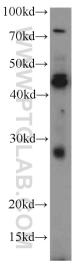
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

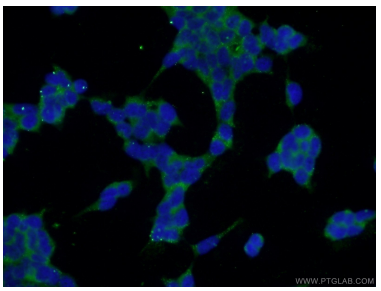
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 21137-1-AP (SPACA3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 21137-1-AP (SPACA3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).