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SPACA4 Rabbit pAb

Catalog # AP98288

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8TDM5
Other Accession	Q8TDM5
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13004
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SPACA4
Epitope Specificity	51-100/127
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 UPAR/Ly6 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	171169
Other Names	SAMP14; SACA4_HUMAN; SPACA4; Sperm acrosomal membrane-associated protein 14; sperm acrosome associated 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SPACA4 (HGNC:16441)
Function	Sperm surface membrane protein that is essential for effective sperm-zona pellucida binding and penetration during fertilization.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Cytoplasmic vesicle, secretory vesicle, acrosome Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane. Cytoplasmic vesicle, secretory vesicle, acrosome outer membrane. Note=Expressed in acrosomal matrix and outer and inner

	acrosomal membranes
Tissue Location	Testis specific (PubMed:12788941). Expressed in spermatozoa (PubMed:12788941, PubMed:37377732)

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