

SPACA1 Polyclonal Antibody

Catalog NumberPA5-24263

Product data sheet

Details		Tested Applications	Dilution *
Size	400 µL	Flow Cytometry (Flow)	1:10-1:50
Host/Isotope	Rabbit / IgG	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Class	Polyclonal	Western Blot (WB)	1:1,000
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	KLH conjugated synthetic peptide between 46-74 amino acids from the N-terminal region of human SACA1		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from infertile males. Furthermore, antibodies generated against the recombinant protein block in vitro fertilization. This protein localizes to the acrosomal membrane of spermatids and mature spermatozoa where it is thought to play a role in acrosomal morphogenesis and in sperm-egg binding and fusion, respectively.

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