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Spaca3 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15352

Product Information

Application	WB
Primary Accession	Q9D9X8
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25020

Additional Information

Gene ID	75622
Other Names	Sperm acrosome membrane-associated protein 3, Lysozyme-like protein 3, Sperm lysozyme-like protein 1, mSLLP1, Sperm acrosome membrane-associated protein 3, membrane form, Sperm acrosome membrane-associated protein 3, processed form, Spaca3, Lyc3, Lyzl3, Sllp1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Spaca3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Spaca3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

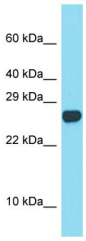
Name	Spaca3
Synonyms	Lyc3, Lyzl3, Sllp1
Function	Sperm surface membrane protein that may be involved in sperm- egg plasma membrane adhesion and fusion during fertilization. It could be a potential receptor for the egg oligosaccharide residue N- acetylglucosamine, which is present in the extracellular matrix over the egg plasma membrane. The processed form has no detectable bacteriolytic activity in vitro (By similarity).
Cellular Location	Cytoplasmic vesicle, secretory vesicle, acrosome membrane; Single-pass type II membrane protein. Note=Anterior acrosome in non- capacitated

	spermatozoa and retained in the equatorial segment and in the luminal face of both the inner and outer acrosomal membranes following capacitation and the acrosome reaction
Tissue Location	The processed form is expressed in sperm (at protein level). Expressed strongly in testis and epididymis and weakly in pancreas.

References

Zhang K.,et al.Biol. Reprod. 73:1064-1071(2005).
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Herrero M.B.,et al.Dev. Biol. 284:126-142(2005).
Sachdev M.,et al.Dev. Biol. 363:40-51(2012).

Images



Host: Rabbit
Target Name: Spaca3
Sample Tissue: Mouse Spleen lysates
Antibody Dilution: 1.0µg/ml

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