SPACA5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPACA5, Polyclonal Antibody
Full Product Name	SPACA5, ID (SPACA5, LYZL5, SPACA5A, Sperm acrosome-associated protein 5, Lysozyme-like protein 5, Sperm-specific lysozyme-like protein X) (MaxLight 490)
Product Gene Name	anti-SPACA5 antibody
Product Synonym Names	SPACA5; LYZL5; SPACA5A; Sperm acrosome-associated protein 5; Lysozyme-like protein 5; Sperm-specific lysozyme-like protein X
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,896 Da
Chromosome Location	Chromosome: X; NC_000023.10 (47863734..47869130). Location: Xp11.23
OMIM	300593
3D Structure	ModBase 3D Structure for Q96QH8
Immunogen	SPACA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-77 amino acids from the Central region of human SPACA5.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-SPACA5 antibody	Antibodies; Enzymes; Glycosidase
Applications Tested/Suitable for anti-SPACA5 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-SPACA5 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-SPACA5 antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Product References and Citations for anti-SPACA5 antibody	Chen, Y.T., et al. Genes Chromosomes Cancer 45(4):392-400(2006). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003).

Other Notes	Small volumes of anti-SPACA5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SPACA5 purchase	MBS6350245 is an antibody targeting SPACA5. Also known as SPACA5, ID (SPACA5, LYZL5, SPACA5A, Sperm acrosome-associated protein 5, Lysozyme-like protein 5, Sperm-specific lysozyme-like protein X) (MaxLight 490). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPACA5. It may not necessarily be applicable to this product.

NCBI GI #	118498373
NCBI GeneID	389852
NCBI Accession #	NP_995328.2
NCBI Related Accession #	NP_001073369.1
UniProt Primary Accession #	Q96QH8
UniProt Secondary Accession #	Q6UWD1
UniProt Related Accession #	Q96QH8
GenBank Nucleotide #	NM_205856.3
NCBI Official Full Name	sperm acrosome-associated protein 5
NCBI Official Synonym Full Names	sperm acrosome associated 5
NCBI Official Symbol	SPACA5
NCBI Official Synonym Symbols	LYC5; LYZL5; SLLP2; SLLP-X; UNQ6288; PNPK6288
UniProt Protein Name	Sperm acrosome-associated protein 5
UniProt Synonym Protein Names	Lysozyme-like protein 5; Sperm-specific lysozyme-like protein X
Protein Family	Sperm acrosome-associated protein
UniProt Gene Name	SPACA5
UniProt Synonym Gene Names	LYZL5; SPACA5A; SLLP-X
UniProt Entry Name	LYZL5_HUMAN
NCBI Protein Information	sperm acrosome-associated protein 5; lysozyme-like protein 5; sperm lysozyme-like protein 2; sperm-specific lysozyme-like protein X
UniProt Comments for SPACA5	Catalytic activity: Hydrolysis of (1->4)-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Subcellular location: Secreted Probable. Sequence similarities: Belongs to the glycosyl hydrolase 22 family.
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