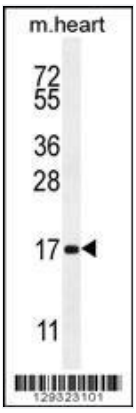
SPACA5 Antibody – Rabbit Polyclonal

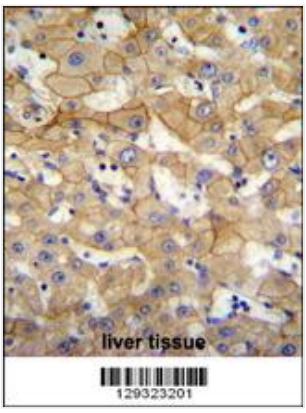
PRODUCT OVERVIEW

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) (APC)
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 Allophycocyanin (APC).
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: APC 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	APC
Note	Preservative Free
Special Handling	Light sensitive
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	MBS6350240 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) (APC). Reactive in Mouse. Host: Rabbit.
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.



Western Blot (WB) of anti-SPACA5 antibody
SPACA5 Antibody (Center) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the SPACA5 antibody detected the SPACA5 protein (arrow).



Immunohistochemistry (IHC) of anti-SPACA5 antibody
SPACA5 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SPACA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-antibody/spaca5/6350240