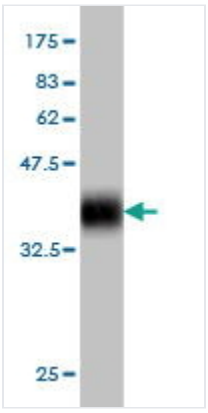
SPATA2 Antibody – Mouse Monoclonal

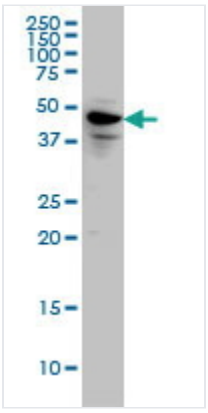
PRODUCT OVERVIEW

Product Name	SPATA2, Monoclonal Antibody
Full Product Name	SPATA2 (Spermatogenesis-associated Protein 2, KIAA0757, Spermatogenesis-associated Protein PD1, PD1) (Biotin)
Product Gene Name	anti-SPATA2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1F1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SPATA2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	607662
3D Structure	ModBase 3D Structure for Q9UM82
Immunogen	Partial recombinant corresponding to aa422-519 from SPATA2 (NP_006029) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SLAHGASLREKYPGQTQGLDRLPHLHSKSKPSTTPTSRCGFCNRPGATNTCTQCSKVSCDACLSAYHYDPCYKKSELHKFMPNNQLNYKSTQLSHLVY
Conjugate	Biotin
Product Categories/Family for anti-SPATA2 antibody	Antibodies; Spermatogenesis; Testis Proteins
Applications Tested/Suitable for anti-SPATA2 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-SPATA2 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-SPATA2 antibody	MBS6144551 is an antibody targeting SPATA2. Also known as SPATA2 (Spermatogenesis-associated Protein 2, KIAA0757, Spermatogenesis-associated Protein PD1, PD1) (Biotin). Reactive in Human. Host: Mouse.

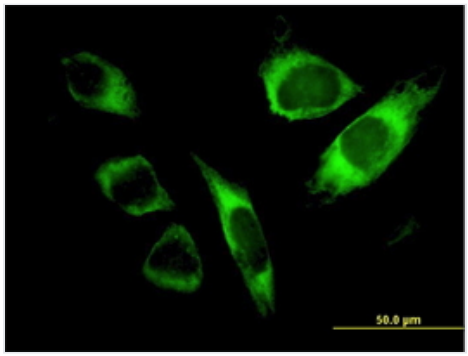
Other Notes	Small volumes of anti-SPATA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



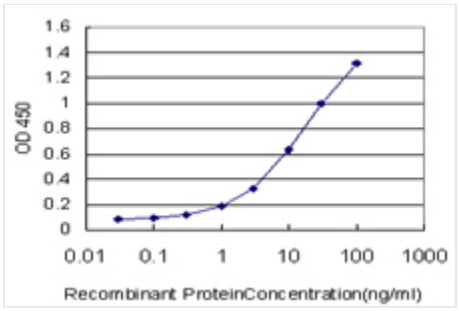
Western Blot (WB) of anti-SPATA2 antibody
Western Blot detection against Immunogen (36.52kD).



Western Blot (WB) of anti-SPATA2 antibody
SPATA2 monoclonal antibody Western Blot analysis of SPATA2 expression in HeLa



Immunofluorescence (IF) of anti-SPATA2 antibody
Immunofluorescence of monoclonal antibody to SPATA2 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-SPATA2 antibody
Detection limit for recombinant GST tagged SPATA2 is ~0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPATA2. It may not necessarily be applicable to this product.

NCBI GI #	1519311904
NCBI GeneID	9825
NCBI Accession #	NM_006038.4
UniProt Primary Accession #	Q9UM82
UniProt Related Accession #	Q9UM82
GenBank Nucleotide #	NM_006038
NCBI Official Full Name	Homo sapiens spermatogenesis associated 2 (SPATA2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	spermatogenesis associated 2
NCBI Official Symbol	SPATA2
NCBI Official Synonym Symbols	PD1; tamo; PPP1R145
UniProt Protein Name	Spermatogenesis-associated protein 2
UniProt Synonym Protein Names	Spermatogenesis-associated protein PD1
Protein Family	Spermatogenesis-associated protein

UniProt Gene Name	SPATA2
UniProt Synonym Gene Names	KIAA0757; PD1
UniProt Entry Name	SPAT2_HUMAN
NCBI Protein Information	spermatogenesis-associated protein 2
Research Articles on SPATA2	**1.** A role of SPATA2 in tumorigenesis.
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.
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