

Rabbit anti-Human, Mouse SPATA1 Polyclonal Antibody | anti-SPATA1 antibody

SPATA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40305	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

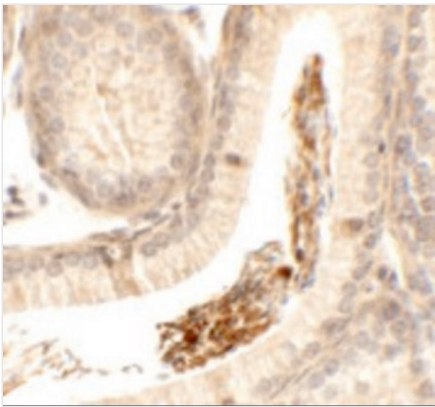
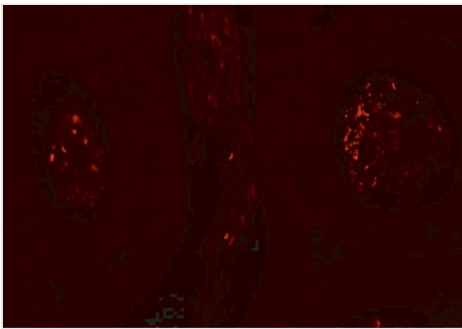
PRODUCT SYNONYMS

SPATA1; Polyclonal Antibody; SPATA1 Antibody; SP-2; SPAP1; Spermatogenesis-associated protein 1; Sperm-specific protein SP-2; spermatogenesis associated 1; anti-SPATA1 antibody

PRODUCT SPECIFICATIONS

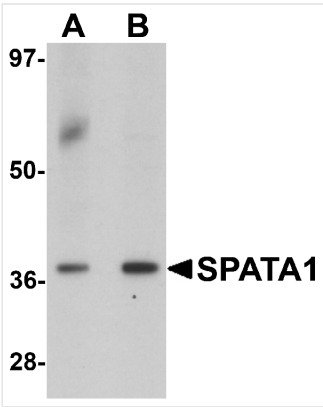
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of SPATA1 are known to exist; this antibody will detect only the longest isoforms. SPATA1 antibody is predicted to not cross-react with other SPATA family members.
Purity/Purification	SPATA1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	406
Applicable Applications for anti-SPATA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SPATA1 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SPATA1.
Buffer	SPATA1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SPATA1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of SPATA1 in mouse testis tissue with SPATA1 antibody at 20 μ g/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of SPATA1 in mouse testis tissue with SPATA1 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of SPATA1 in A20 cell lysate with SPATA1 antibody at (A) 1 and (B) 2 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SPATA1 antibody

SPATA1 Antibody: SPATA1, a novel cell-surface protein, is involved in shaping the sperm head during spermatogenesis. SPATA1 is localized at chromosome 1q21. At least three isoforms of SPATA1 are known to exist. The longest is preferentially expressed in hematopoietic tissues. Its extracellular domain contains a single immunoglobulin-like domain, and its intracellular segment has two immunoreceptor tyrosine-based inhibition motifs (ITIMs). It is thought to have an important role in hematopoietic cell signaling. The mid-sized isoform contains a short intracellular part without ITIMs, while the shortest isoform lacks the transmembrane segment and represents a potential soluble protein (2, 3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	341915102
NCBI GeneID	100505741
NCBI Accession #	XP_003119008.2
NCBI GenBank Nucleotide #	XM_003118960.2
UniProt Accession #	Q5VX52; Q0VDJ9; Q0VDK0; Q6P386; Q9HAR4; A0PJU9
Molecular Weight	38,262 Da
NCBI Official Full Name	spermatogenesis-associated protein 1
NCBI Official Synonym Full Names	spermatogenesis associated 1

NCBI Official Symbol	SPATA1
NCBI Official Synonym Symbols	SP-2; SPAP1
NCBI Protein Information	spermatogenesis-associated protein 1; spermatogenesis associated 1; sperm-specific protein SP-2; spermatogenesis associated protein 1
UniProt Protein Name	Spermatogenesis-associated protein 1
UniProt Gene Name	SPATA1
UniProt Entry Name	SPAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/spata1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40305>