SPATA1 Antibody

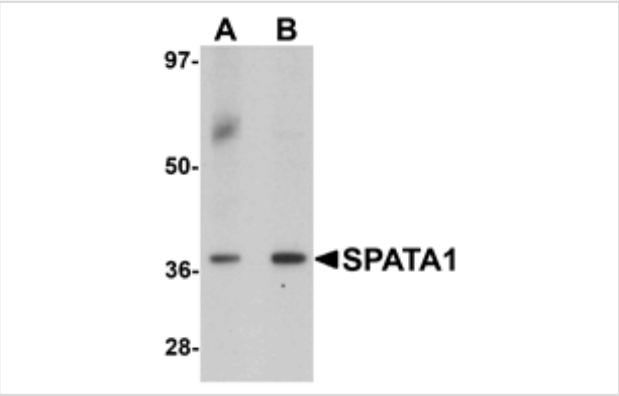
Catalog No: #25376

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	SPATA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms
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.
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the carboxy terminus of human SPATA1.
Target Name	SPATA1
Other Names	Spermatogenesis associated protein 1, SP-2, SPAP1, Sperm-specific protein
Accession No.	Q5VX52
Uniprot	Q5VX52
GeneID	100505741;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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

Background

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).

Note: This product is for in vitro research use only