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Datasheet for ABIN6991600 **anti-SPATA1 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	SPATA1
Binding Specificity:	AA 300-350, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPATA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	SPATA1 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SPATA1. The immunogen is located within amino acids 300 - 350 of SPATA1.
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.
Purification:	SPATA1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SPATA1
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Target Details

Alternative Name:	SPATA1 (SPATA1 Products)
Background:	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).
Gene ID:	100505741
UniProt:	Q5VX52

Application Details

Application Notes:	SPATA1 antibody can be used for detection of SPATA1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SPATA1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	SPATA1 antibody can be stored at 4°C for three months and -20°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.