

Rabbit SPIN1 Polyclonal Antibody | anti-SPIN1 antibody

SPIN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324178	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SPIN1; Polyclonal Antibody; SPIN1 Antibody; OCR; Ovarian cancer-related protein; SPIN; Spin1; SPIN1_HUMAN; Spindlin-1; anti-SPIN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SPIN1 antibody detects endogenous levels of total SPIN1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	262
Applicable Applications for anti-SPIN1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Highly expressed in ovarian cancer tissues.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using SPIN1 antibody.



IF (Immunofluorescence)

AAA324178 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SPIN1 antibody	Function: Chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation of the Wnt signaling pathway (PubMed:24589551). Overexpression induces metaphase arrest and chromosomal instability. Localizes to active rDNA loci and promotes the expression of rRNA genes (PubMed:21960006). May play a role in cell-cycle regulation during the transition from gamete to embryo. Involved in oocyte meiotic resumption, a process that takes place before ovulation to resume meiosis of oocytes blocked in prophase I: may act by regulating maternal transcripts to control meiotic resumption. Subunit Structure: Homodimer; may form higher-order oligomers (PubMed:17082182). Interacts with TCF7L2/TCF4; the interaction is direct (PubMed:22258766, PubMed:24589551, PubMed:29061846). Interacts with HABP4 and SERBP1 (By similarity). Interacts with C11orf84/SPINDOC (PubMed:29061846). Post-translational Modifications: Phosphorylated during oocyte meiotic maturation. Similarity: The 3 tudor-like domains (also named Spin/Ssty repeats) specifically recognize and bind methylated histones (PubMed:23077255, PubMed:24589551). H3K4me3 and H3R8me2a are recognized by tudor-like domains 2 and 1, respectively (PubMed:24589551). Belongs to the SPIN/STSY family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112293285
NCBI GeneID	10927
NCBI Accession #	NP_006708.2
NCBI GenBank Nucleotide #	NM_006717.2
UniProt Accession #	Q9Y657; Q7KZJ8; Q9GZT2; Q9H0N7; A8K0X6; B3KRQ4
Molecular Weight	Observed: 30 kD Predicted: 30 kDa
NCBI Official Full Name	spindlin-1
NCBI Official Synonym Full Names	spindlin 1
NCBI Official Symbol	SPIN1
NCBI Official Synonym Symbols	SPIN; TDRD24
NCBI Protein Information	spindlin-1
UniProt Protein Name	Spindlin-1
UniProt Gene Name	SPIN1
UniProt Synonym Gene Names	OCR; SPIN

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://stage.aaabiotech.com/polyclonal/spin1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324178>