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Datasheet for ABIN672351  
**anti-Spindlin 1 antibody (AA 3-100)**

1 Image

Overview

Quantity:	100 µL
Target:	Spindlin 1 (SPIN1)
Binding Specificity:	AA 3-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Spindlin 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Spindlin 1
Isotype:	IgG
Specificity:	There is 60 % sequence similarity with Spindlin 3, but the sequence is not continuous so the chance of binding is low.
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

## Target Details

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Target: Spindlin 1 (SPIN1)

Alternative Name: Spindlin 1 ([SPIN1 Products](#))

Background: Synonyms: SPIN, Spindlin-1, Ovarian cancer-related protein, Spindlin1, SPIN1, OCR  
Background: 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.

Gene ID: 10927

UniProt: [Q9Y657](#)

## Application Details

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Application Notes: ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

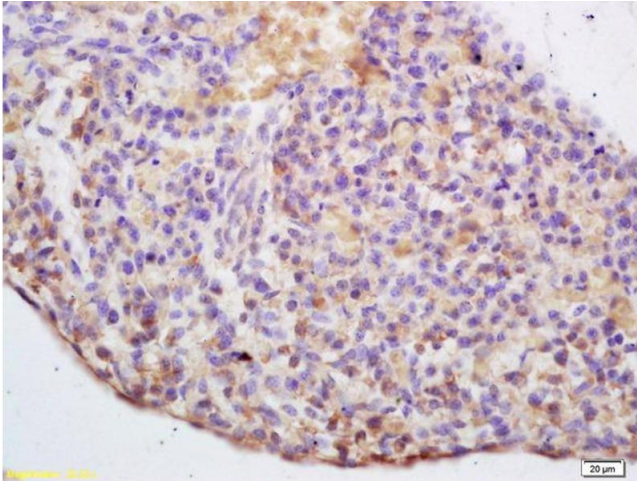
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Expiry Date: 12 months

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## Images

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### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti Spindlin 1 Polyclonal Antibody, Unconjugated (ABIN672351) at 1:200 followed by conjugation to the secondary antibody and DAB staining