

Datasheet for ABIN5516939  
**anti-Spindlin 1 antibody (N-Term)**



[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Spindlin 1 (SPIN1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Spindlin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human SPIN1
Sequence:	KTPFGKTPGQ RSRADAGHAG VSANMMKKRT SHKKHRSSVG PSKPVSQPRR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SPIN1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	Spindlin 1 (SPIN1)
Alternative Name:	SPIN1 ( <a href="#">SPIN1 Products</a> )
Background:	SPIN1 is a chromatin reader that specifically recognizes and binds histone H3 both

## Target Details

---

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). It 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.

Alias Symbols: SPIN1, OCR, SPIN,

Protein Interaction Partner: SUMO2, UBC, PRMT6, BAG3, NPM1, UBL4A, SMURF1, EIF4A3, YWHAE, MAGOH, GRK5, TCF3, ARRB2, ARRB1, ELAVL1, AGO3, PTN,

Protein Size: 262

---

Gene ID: 10927

---

NCBI Accession: [NP\\_006708](#)

---

UniProt: [Q9Y657](#)

## Application Details

---

Application Notes: Optimal working dilution should be determined by the investigator.

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

---

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

---

## Handling

---

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.