

## Product datasheet for **TA364558S**

### spindlin 1 (SPIN1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: 293T cell, Jurkat cell, Mouse brain tissue, LO2 cell lysates IHC: 50-200 Positive control: Human colorectal cancer Predicted cell location: Nucleus and Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human SPIN1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	30 kDa
Gene Name:	spindlin 1
Database Link:	<a href="#">Entrez Gene 10927 Human Q9Y657</a>



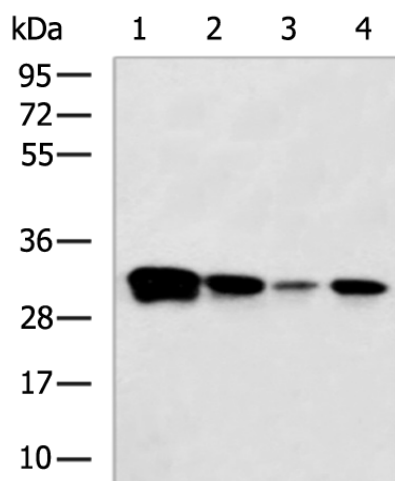
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**Background:**

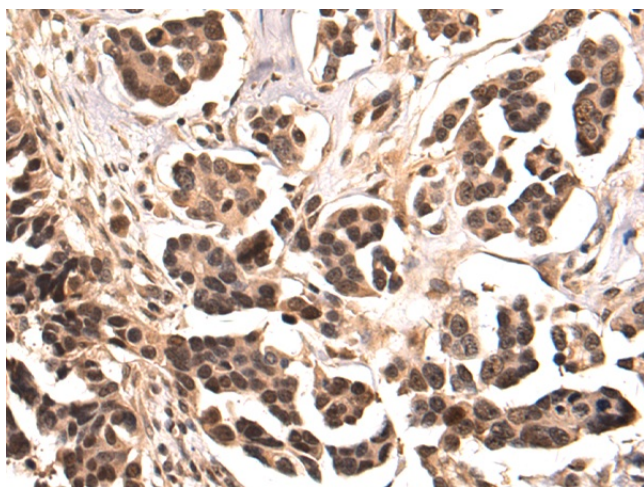
Chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation 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.

**Synonyms:**

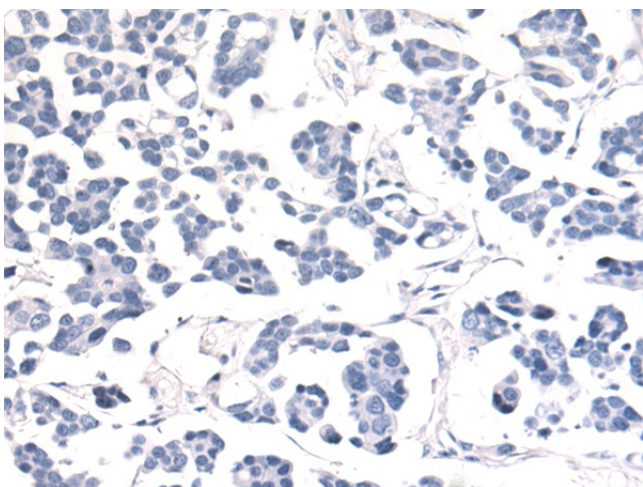
OCR; SPIN; spindlin; SPNS1

**Product images:**


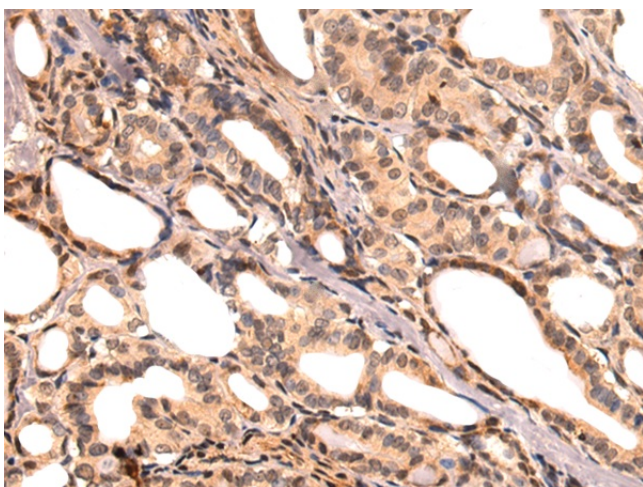
Gel: 8%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-4: 293T cell  
 Jurkat cell  
 Mouse brain tissue  
 LO2 cell lysates  
 Primary antibody: [TA364558] (SPIN1 Antibody) at dilution 1/1000  
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 30 seconds



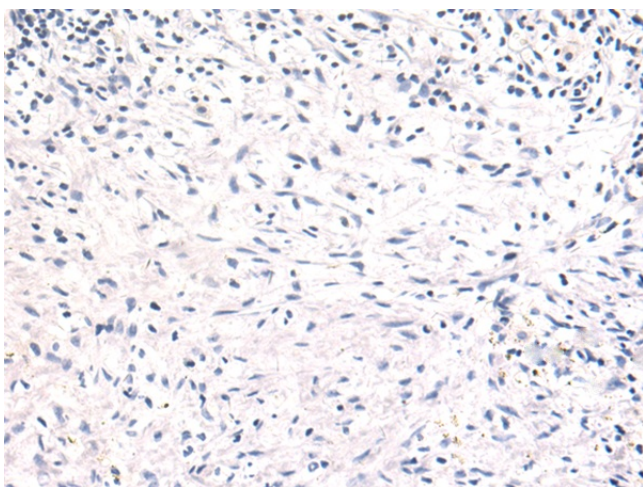
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA364558] (SPIN1 Antibody) at dilution 1/80 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA364558] (SPIN1 Antibody) at dilution 1/80, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA364558] (SPIN1 Antibody) at dilution 1/80 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA364558] (SPIN1 Antibody) at dilution 1/80, treated with fusion protein. (Original magnification:  $\times 200$ )