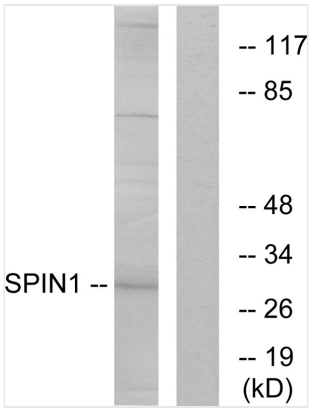
SPIN1 Antibody

PRODUCT OVERVIEW

Product Name	SPIN1, Antibody
Full Product Name	SPIN1 Antibody
Product Gene Name	anti-SPIN1 antibody
Product Synonym Names	OCR; Ovarian cancer-related protein; Spindlin-1
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	SPIN1 antibody detects endogenous levels of total SPIN1 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	29,601 Da
OMIM	609936
3D Structure	ModBase 3D Structure for Q9Y657
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human SPIN1.
Product Categories/Family for anti-SPIN1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SPIN1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SPIN1 antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-SPIN1 antibody	MBS854514 is an antibody targeting SPIN1. Also known as SPIN1 Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-SPIN1 antibody	Zhang H.L., Chin. Sci. Bull. 45:909-914(2000). Gao Y., Biochem. Biophys. Res. Commun. 335:343-350(2005). Humphray S.J., Nature 429:369-374(2004).
Other Notes	Small volumes of anti-SPIN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SPIN1 antibody
Western blot analysis of extracts from HeLa cells, using SPIN1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPIN1. It may not necessarily be applicable to this product.

NCBI GI #	112293285
NCBI GeneID	10927
NCBI Accession #	NP_006708.2
UniProt Primary Accession #	Q9Y657
UniProt Secondary Accession #	Q7KZJ8; Q9GZT2; Q9H0N7; A8K0X6; B3KRQ4
UniProt Related Accession #	Q9Y657
GenBank Nucleotide #	NM_006717.2
NCBI Official Full Name	spindlin-1
NCBI Official Synonym Full Names	spindlin 1
NCBI Official Symbol	SPIN1
NCBI Official Synonym Symbols	SPIN; TDRD24
UniProt Protein Name	Spindlin-1
UniProt Synonym Protein Names	Ovarian cancer-related protein; Spindlin1
Protein Family	KH domain-containing protein
UniProt Gene Name	SPIN1
UniProt Synonym Gene Names	OCR; SPIN
NCBI Protein Information	spindlin-1
UniProt Comments for SPIN1	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.
Research Articles on SPIN1	**1.** miR-489 loss facilitates malignant phenotype of glioma cells probably via SPIN1-mediated PI3K/AKT pathway.

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