

SPIN1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8827a**Specification**

SPIN1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O9Y657](#)
Other Accession [NP_006708](#)

SPIN1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10927

Other Names

Spindlin-1, Ovarian cancer-related protein, Spindlin1, SPIN1, OCR, SPIN

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8827a](/products/AP8827a) was selected from the N-term region of human SPIN1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPIN1 Antibody (N-term) Blocking Peptide - Protein Information

Name SPIN1

Synonyms OCR, SPIN

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](http://www.uniprot.org/citations/24589551)). Overexpression induces metaphase arrest and chromosomal instability. Localizes to active rDNA loci and promotes the expression of rRNA genes (PubMed: [21960006](http://www.uniprot.org/citations/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.

Cellular Location

Nucleus. Nucleus, nucleolus

Tissue Location

Highly expressed in ovarian cancer tissues.

SPIN1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SPIN1 Antibody (N-term) Blocking Peptide - Images**SPIN1 Antibody (N-term) Blocking Peptide - Background**

SPIN1 may play a role in cell-cycle regulation during the transition from gamete to embryo (By similarity).

SPIN1 Antibody (N-term) Blocking Peptide - References

Gao,Y., et.al., Biochem. Biophys. Res. Commun. 335 (2), 343-350 (2005)Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006)