

SPIRE2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP10600c**Specification**

SPIRE2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O8WWL2](#)
Other Accession [NP_115827.1](#)

SPIRE2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84501

Other Names

Protein spire homolog 2, Spir-2, SPIRE2, KIAA1832, SPIR2

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.

SPIRE2 Antibody (Center) Blocking Peptide - Protein Information

Name SPIRE2

Synonyms KIAA1832, SPIR2

Function

Acts as an actin nucleation factor, remains associated with the slow-growing pointed end of the new filament (PubMed:21620703). Involved in intracellular vesicle transport along actin fibers, providing a novel link between actin cytoskeleton dynamics and intracellular transport (By similarity). Required for asymmetric spindle positioning and asymmetric cell division during meiosis (PubMed:21620703). Required for normal formation of the cleavage furrow and for polar body extrusion during female germ cell meiosis (PubMed:21620703). Also acts in the nucleus: together with SPIRE1 and SPIRE2, promotes assembly of nuclear actin filaments in response to DNA damage in order to facilitate movement of chromatin and repair factors after DNA damage (PubMed:26287480).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8K1S6}. Cell membrane {ECO:0000250|UniProtKB:Q8K1S6}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8K1S6}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q8K1S6}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8K1S6}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8K1S6}. Note=Detected at the cleavage furrow during asymmetric oocyte division and polar body extrusion {ECO:0000250|UniProtKB:Q8K1S6}

SPIRE2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SPIRE2 Antibody (Center) Blocking Peptide - Images

SPIRE2 Antibody (Center) Blocking Peptide - Background

Acts as a actin nucleation factor, remains associated with the slow-growing pointed end of the new filament. Involved in vesicle transport processes providing a novel link between actin organization and intracellular transport (By similarity).

SPIRE2 Antibody (Center) Blocking Peptide - References

Pechlivanis, M., et al. J. Biol. Chem. 284(37):25324-25333(2009)