

**SPIRE2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10600c****Specification**

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**SPIRE2 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O8WWL2</a>
Other Accession	<a href="#">O8K1S6</a> , <a href="#">NP_115827.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79671
Antigen Region	285-313

**SPIRE2 Antibody (Center) - Additional Information****Gene ID** 84501**Other Names**

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

**Target/Specificity**

This SPIRE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-313 amino acids from the Central region of human SPIRE2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SPIRE2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SPIRE2 Antibody (Center) - 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

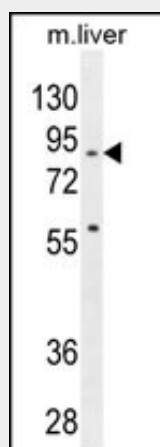
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8K1S6}. Cell membrane {ECO:0000250|UniProtKB:Q8K1S6}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8K1S6}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q8K1S6}; 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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### SPIRE2 Antibody (Center) - Images



SPIRE2 Antibody (Center) (Cat. #AP10600c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SPIRE2 antibody detected the SPIRE2 protein (arrow).

#### SPIRE2 Antibody (Center) - 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) - References**

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