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SPIRE2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10600c

Specification

SPIRE2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q8WWL2
Other Accession	Q8K1S6, NP_115827.1
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
E~~Use at an assay dependent concentration.

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).

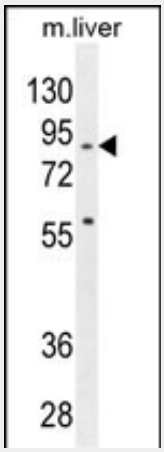
Cellular Location
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8K1S6}. Cell membrane {ECO:0000250|UniProtKB:Q8K1S6}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8K1S6}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8K1S6}. Cytoplasmic vesicle membrane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