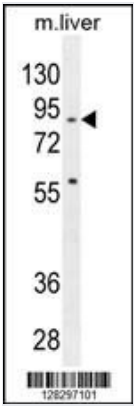
SPIRE2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPIRE2, Polyclonal Antibody
Full Product Name	SPIRE2, ID (SPIRE2, KIAA1832, SPIR2, Protein spire homolog 2)
Product Gene Name	anti-SPIRE2 antibody
Product Synonym Names	Anti -SPIRE2, ID (SPIRE2, KIAA1832, SPIR2, Protein spire homolog 2)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	79,671 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (89894883..89937727). Location: 16q24
OMIM	609217
3D Structure	ModBase 3D Structure for Q8WWL2
Immunogen	SPIRE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-321 amino acids from the Central region of human SPIRE2.
Product Categories/Family for anti-SPIRE2 antibody	Antibodies; Abs to KIAA; orf
Applications Tested/Suitable for anti-SPIRE2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-SPIRE2 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-SPIRE2 antibody	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).
Other Notes	Small volumes of anti-SPIRE2 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.
Searchable Terms for SPIRE2 purchase	MBS6007257 is an antibody targeting SPIRE2. Also known as SPIRE2, ID (SPIRE2, KIAA1832, SPIR2, Protein spire homolog 2). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-SPIRE2 antibody
SPIRE2 Antibody (Center) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the SPIRE2 antibody detected the SPIRE2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPIRE2. It may not necessarily be applicable to this product.

NCBI GI #	141796932
NCBI GeneID	84501
NCBI Accession #	AAI39733.1
UniProt Primary Accession #	Q8WWL2
UniProt Secondary Accession #	Q2TA98; Q6P433; Q8ND47; Q96JJ5; A4QPB1
UniProt Related Accession #	Q8WWL2
NCBI Official Full Name	SPIRE2 protein
NCBI Official Synonym Full Names	spire-type actin nucleation factor 2
NCBI Official Symbol	SPIRE2
NCBI Official Synonym Symbols	Spir-2
UniProt Protein Name	Protein spire homolog 2
Protein Family	Protein spire
UniProt Gene Name	SPIRE2
UniProt Synonym Gene Names	KIAA1832; SPIR2; Spir-2
UniProt Entry Name	SPIR2_HUMAN
NCBI Protein Information	protein spire homolog 2; spire actin nucleation factor 2; spire family actin nucleation factor 2

UniProt Comments for SPIRE2	SPIRE2: 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. Belongs to the spire family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 16q24 Cellular Component: cytoskeleton; cytoplasmic vesicle membrane; perinuclear region of cytoplasm; plasma membrane; cell cortex; cytosol; cleavage furrow Molecular Function: actin binding Biological Process: vesicle-mediated transport; establishment of meiotic spindle localization; protein transport; intracellular transport; polar body extrusion after meiotic divisions; actin cytoskeleton organization and biogenesis; actin nucleation
Research Articles on SPIRE2	**1.** both mammalian Spir proteins, Spir-1 and Spir-2, interact with mammalian Fmn subgroup proteins formin-1 and formin-2
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