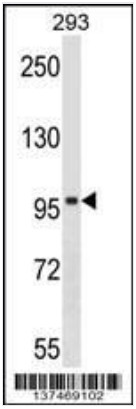
SPIRE1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPIRE1, Polyclonal Antibody
Full Product Name	SPIRE1, CT (SPIRE1, KIAA1135, SPIR1, Protein spire homolog 1) (APC)
Product Gene Name	anti-SPIRE1 antibody
Product Synonym Names	SPIRE1; KIAA1135; SPIR1; Protein spire homolog 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	609216
3D Structure	ModBase 3D Structure for Q08AE8
Immunogen	SPIRE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 664-691 amino acids from the C-terminal region of human SPIRE1.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SPIRE1 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-SPIRE1 antibody	Western Blot (WB), FLISA
Application Notes for anti-SPIRE1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SPIRE1 antibody	Spire proteins, such as SPIRE1, are highly conserved between species. They belong to the family of Wiskott-Aldrich homology region-2 (WH2) proteins, which are involved in actin organization (Kerkhoff et al., 2001 [PubMed 11747823]).[supplied by OMIM].
Product References and Citations for anti-SPIRE1 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Pechlivanis, M., et al. J. Biol. Chem. 284(37):25324-25333(2009). Bosch, M., et al. Mol. Cell 28(4):555-568(2007). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Kerkhoff, E., et al. Curr. Biol. 11(24):1963-1968(2001).
Other Notes	Small volumes of anti-SPIRE1 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 SPIRE1 purchase	MBS6350608 is an antibody targeting SPIRE1. Also known as SPIRE1, CT (SPIRE1, KIAA1135, SPIR1, Protein spire homolog 1) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SPIRE1 antibody
SPIRE1 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SPIRE1 antibody detected the SPIRE1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPIRE1. It may not necessarily be applicable to this product.

NCBI GI #	191250775
NCBI GeneID	56907
NCBI Accession #	NP_001122099.1
NCBI Related Accession #	NP_001122098.1
UniProt Primary Accession #	Q08AE8
UniProt Related Accession #	Q08AE8
GenBank Nucleotide #	NP_001122099.1
NCBI Official Full Name	protein spire homolog 1 isoform c
NCBI Official Synonym Full Names	spire type actin nucleation factor 1
NCBI Official Symbol	SPIRE1
NCBI Official Synonym Symbols	Spir-1
UniProt Protein Name	Protein spire homolog 1
Protein Family	Protein spire
UniProt Gene Name	SPIRE1
UniProt Synonym Gene Names	KIAA1135; SPIR1; Spir-1
UniProt Entry Name	SPIR1_HUMAN
NCBI Protein Information	protein spire homolog 1
NCBI Summary for SPIRE1	Spire proteins, such as SPIRE1, are highly conserved between species. They belong to the family of Wiskott-Aldrich homology region-2 (WH2) proteins, which are involved in actin organization (Kerkhoff et al., 2001 [PubMed 11747823]).[supplied by OMIM, Mar 2008]

UniProt Comments for SPIRE1	SPIRE1: 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: Cytoskeletal Chromosomal Location of Human Ortholog: 18p11.21 Cellular Component: Golgi apparatus; cytoplasmic vesicle membrane; cytoskeleton; perinuclear region of cytoplasm; plasma membrane; cell cortex; 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; Golgi vesicle transport; actin nucleation
Research Articles on SPIRE1	**1.** interferes with bacterial binding in Salmonella typhimurium host cell invasion
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