10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPIRE1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SPIRE1.
Catalog # AT4025a

Product Information

Application	WB, E
Primary Accession	Q08AE8
Other Accession	NM_020148
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4C5
Calculated MW	85544

Additional Information

Gene ID	56907
Other Names	Protein spire homolog 1, Spir-1, SPIRE1 {ECO:0000312|EMBL:AAI252071}, KIAA1135, SPIR1
Target/Specificity	SPIRE1 (NP_064533, 482 a.a. ~ 583 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SPIRE1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

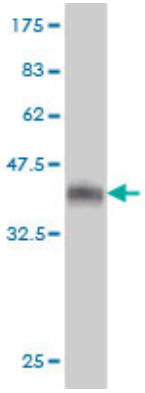
Spire proteins, such as SPIRE1, are highly conserved between species. They belong to the family of Wiskott-Aldrich homology region-2 (WH2) proteins, which are involved in actin organization (Kerkhoff et al., 2001 [PubMed 11747823]).

References

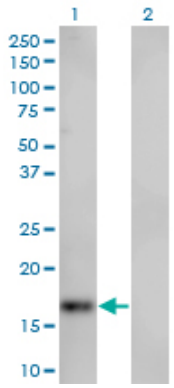
1.Annexin A2-Dependent Polymerization of Actin Mediates Endosome Biogenesis.Morel E, Parton RG, Gruenberg J.Dev Cell. 2009 Mar;16(3):445-57.2.Actin S-Nitrosylation Inhibits Neutrophil {beta}2 Integrin Function.Thom SR, Bhopale VM, Mancini DJ, Milovanova TN.J Biol Chem. 2008 Apr 18;283(16):10822-34. Epub

2008 Feb 18.

Images

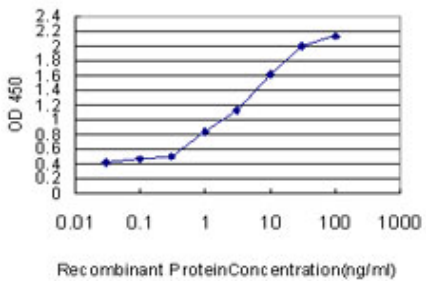


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .



Western Blot analysis of SPIRE1 expression in transfected 293T cell line by SPIRE1 monoclonal antibody (M01), clone 4C5.

Lane 1: SPIRE1 transfected lysate(15 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SPIRE1 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.