

SPIRE1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant SPIRE1.****Catalog # AT4025a****Specification**

SPIRE1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q08AE8
Other Accession	NM_020148
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	85544

SPIRE1 Antibody (monoclonal) (M01) - 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.

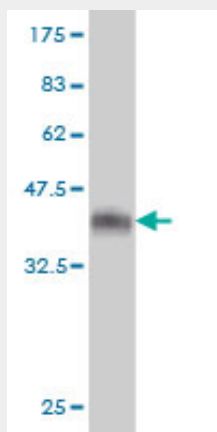
SPIRE1 Antibody (monoclonal) (M01) - Protocols

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

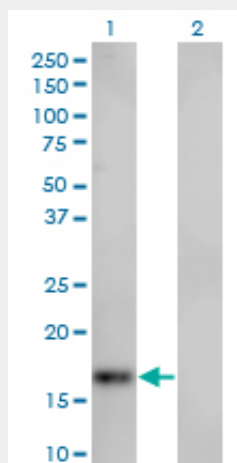
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SPIRE1 Antibody (monoclonal) (M01) - Images



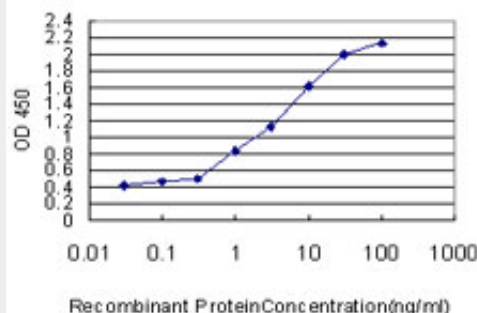
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 kDa) .



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.

SPIRE1 Antibody (monoclonal) (M01) - 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]).

SPIRE1 Antibody (monoclonal) (M01) - 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 β 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.