Product Datasheet

MEIS2 Rabbit mAb

Catalog No: #49787

Package Size: #49787-1 50ul #49787-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

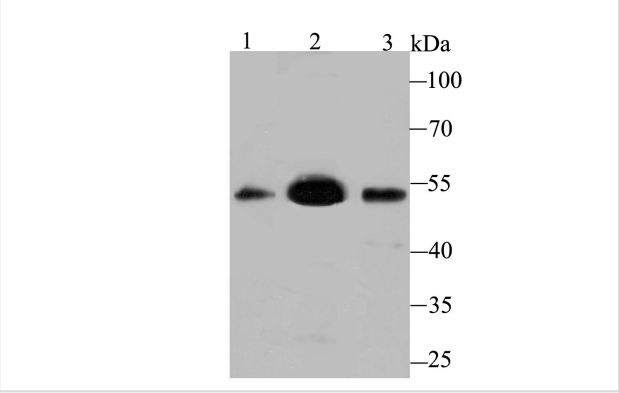
Description

Product Name	MEIS2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB40-38
Purification	ProA affinity purified
Applications	WB,FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	Homeobox protein Meis2 antibody HsT18361 antibody Meis (mouse) homolog 2 antibody Meis homeobox 2 antibody Meis homolog 2 antibody Meis1 myeloid ecotropic viral integration site 1 homolog 2 (mouse) antibody Meis1 myeloid ecotropic viral integration site 1 homolog 2 antibody Meis1 related gene 1 antibody Meis1 related protein 1 antibody Meis1-related protein 1 antibody MEIS2 antibody MEIS2_HUMAN antibody MGC2820 antibody MRG1 antibody TALE homeobox protein Meis2 antibody
Accession No.	Swiss-Prot#:O14770
Uniprot	O14770
GeneID	4212;
Calculated MW	51 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

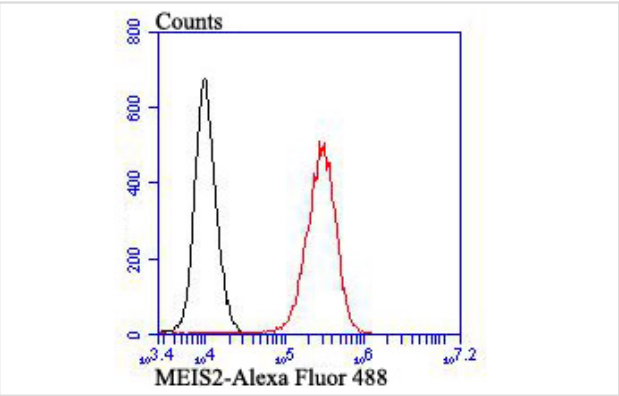
Application Details

WB: 1:500-1:1,000 FC: 1:50-1:100

Images



Western blot analysis of MEIS2 on different lysates using anti-MEIS2 antibody at 1/500 dilution. Positive control: Lane 1: Mouse testis Lane 2: SH-SY-5Y Lane 3: Mouse lung



Flow cytometric analysis of K562 cells with MEIS2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Profilins regulate Actin polymerization by binding to and sequestering the Actin monomer. Profilins act as a nucleotide exchange factor that charges Actin with ATP after binding the Actin monomer through a 1:1 stoichiometric relationship. Human Profilin-1 and Profilin-2 are encoded by two separate genes mapping to chromosomes 17p13.2 and 3q25.1, respectively. Both Profilin-1 and Profilin-2 are abundantly expressed in kidney. Profilin-1 is highly expressed in lung, liver, placenta and kidney while Profilin-2 is highly expressed in brain and skeletal muscle. In axonal and dendritic processes of mouse brain, Profilins co-localize with dynamin I and synapsin. Profilin may play a role in mediating cell adhesion. The overexpression of Profilin in endothelial cells results in increased adhesion to Fibronectin. In food allergy, plant Profilin is considered a pan-allergen. Case studies indicate individuals with allergies to various foods including celery, carrots, zucchini and peanuts are actually sensitive to the Profilin proteins in these foods.

References

Note: This product is for in vitro research use only