Product Datasheet

PICK1 Rabbit mAb

Catalog No: #49929

Package Size: #49929-1 50ul #49929-2 100ul

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

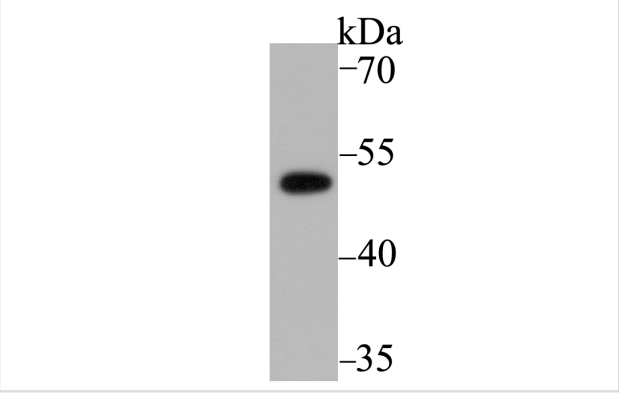
Description

Product Name	PICK1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG30-80
Purification	ProA affinity purified
Applications	WB,IP,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within N-terminal human PICK1.
Other Names	dJ1039K5 antibody MGC15204 antibody OTTHUMP00000028509 antibody PICK 1 antibody Pick1 antibody PICK1_HUMAN antibody PRKCA binding protein antibody PRKCA-binding protein antibody PRKCABP antibody Protein interacting with C kinase 1 antibody Protein interacting with PRKCA antibody Protein interacting with PRKCA 1 antibody Protein kinase C alpha binding protein antibody Protein kinase C-alpha-binding protein antibody Protein that interacts with C kinase 1 antibody
Accession No.	Swiss-Prot#:Q9NRD5
Uniprot	Q9NRD5
GeneID	9463;
Calculated MW	47 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

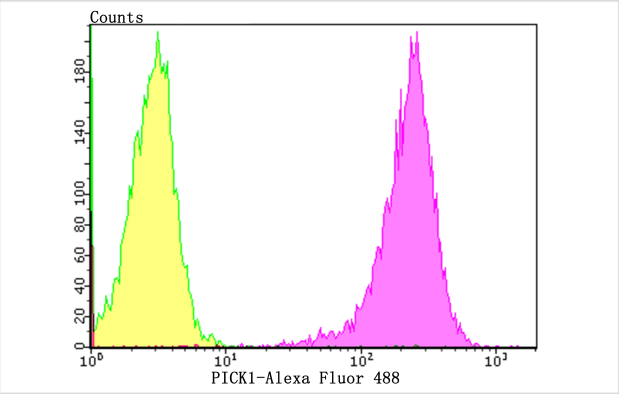
Application Details

WB: 1:2,000-1:5,000 IP: 1:10-1:50FC: 1:50-1:100

Images



Western blot analysis of PICK1 on SK-Br-3 cell lysate using anti-PICK1 antibody at 1/5,000 dilution.



Flow cytometric analysis of 293T cells with PICK1 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Protein interacting with C kinase 1 (PICK1) is a PDZ-domain containing protein that is located in the perinuclear region and is phosphorylated in response to PKCα activation. PKCα, which is essential for the regulation of proliferation and differentiation in numerous cell types, contains within its catalytic region a PDZ-binding domain that is absent from other PKC isoforms. Mutation of the PICK1 PDZ domain inhibits the binding of PICK1 to PKCα. PICK1 also interacts with the carboxy terminus of a-amino-3-hydroxy-5-methyl-isoxazole-4-propionic acid (AMPA) receptor, a neurotransmitter receptor located at excitatory synapses, suggesting that PICK1 plays a role in the modulation of synaptic transmission by targeting and anchoring AMPA to specific synapses.

References

Note: This product is for in vitro research use only