

PICK1 Conjugated Antibody

Catalog No: #C49929



Package Size: #C49929-AF350 100ul #C49929-AF405 100ul #C49929-AF488 100ul
 #C49929-AF555 100ul #C49929-AF594 100ul #C49929-AF647 100ul
 #C49929-AF680 100ul #C49929-AF750 100ul #C49929-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PICK1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within N-terminal human PICK1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	47 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 PKC α activation. PKC α , 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 PKC α . PICK1 also interacts with the carboxy terminus of α -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.

Note: This product is for in vitro research use only