

Recombinant Anti-PICK1 Rabbit mAb

Catalog # AP95237

Product Information

Application	WB, FC, IP
Primary Accession	Q9NRD5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	46600

Additional Information

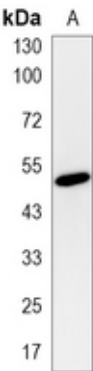
Gene ID	9463
Other Names	PRKCABP; PRKCA-binding protein; Protein interacting with C kinase 1; Protein kinase C-alpha-binding protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PICK1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PICK1
Synonyms	PRKCABP
Function	Probable adapter protein that bind to and organize the subcellular localization of a variety of membrane proteins containing some PDZ recognition sequence. Involved in the clustering of various receptors, possibly by acting at the receptor internalization level. Plays a role in synaptic plasticity by regulating the trafficking and internalization of AMPA receptors. May be regulated upon PRKCA activation. May regulate ASIC1/ASIC3 channel. Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex; the function is competitive with nucleation promoting factors and is linked to neuronal morphology regulation and AMPA receptor (AMPA) endocytosis. Via interaction with the Arp2/3 complex involved in regulation of synaptic plasticity of excitatory synapses and required for spine shrinkage during long-term depression (LTD). Involved in regulation of astrocyte morphology, antagonistic to Arp2/3 complex activator WASL/N-WASP function.

Cellular Location	Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:Q9EP80}. Membrane {ECO:0000250 UniProtKB:Q9EP80}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q9EP80}. Membrane {ECO:0000250 UniProtKB:Q62083}; Lipid-anchor {ECO:0000250 UniProtKB:Q62083}. Postsynaptic density {ECO:0000250 UniProtKB:Q9EP80}. Synapse, synaptosome {ECO:0000250 UniProtKB:Q9EP80}. Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q9EP80}. Note=Also membrane-associated, present at excitatory synapses. {ECO:0000250 UniProtKB:Q9EP80}
Tissue Location	Ubiquitous.

Images



Western blot analysis of PICK1 expression in HeLa (A) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 50 kD)

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