

Anti-PICK1 Antibody

Rabbit polyclonal antibody to PICK1 Catalog # AP60199

Product Information

Application	WB
Primary Accession	<u>Q9NRD5</u>
Other Accession	<u>Q62083</u>
Reactivity	Human, Mouse, Rat, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
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	Recognizes endogenous levels of PICK1 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
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 (AMPAR) endocytosis. Via interaction with the Arp2/3 complex involved in regulation of synaptic plasicity 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.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PICK1. The exact sequence is proprietary.

Images



Western blot analysis of PICK1 expression in Hela (A), mouse brain (B), rat brain (C) whole cell lysates.

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