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Anti-PICK1 Antibody

Rabbit polyclonal antibody to PICK1

Catalog # AP60199

Specification

Anti-PICK1 Antibody - Product Information

Application	**WB**
Primary Accession	Q9NRD5
Other Accession	Q62083
Reactivity	**Human, Mouse, Rat, Monkey, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46600**

Anti-PICK1 Antibody - 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

Anti-PICK1 Antibody - 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}

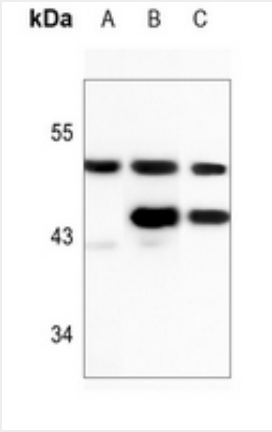
Tissue Location
Ubiquitous.

Anti-PICK1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PICK1 Antibody - Images



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

Anti-PICK1 Antibody - Background

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