

**Anti-PICK1 Antibody**  
**Rabbit polyclonal antibody to PICK1**  
**Catalog # AP60199****Specification**

---

**Anti-PICK1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9NRD5</a>
Other Accession	<a href="#">Q62083</a>
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**

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

**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 (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

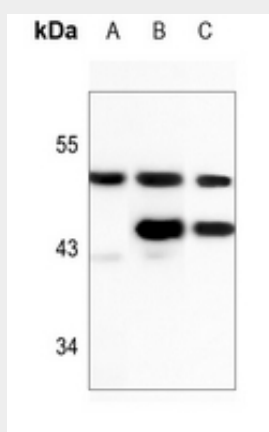
Ubiquitous.

### 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 Cytometry](#)
- [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.