

PICK1 Antibody
Rabbit mAb
Catalog # AP91884

Specification

PICK1 Antibody - Product Information

| | |
|-------------------------|------------------------|
| Application | WB, FC, IP |
| Primary Accession | O9NRD5 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| PICK 1; Pick1; PRKCABP; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 46600 Da |

PICK1 Antibody - Additional Information

| | |
|------------------------------|---|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human PICK1 |
| Description | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

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. Membrane; Peripheral membrane protein. Membrane; Lipid-anchor. Postsynaptic density. Synapse, synaptosome. Cytoplasm, cytoskeleton. Note=Also membrane-associated, present at excitatory synapses.

Tissue Location

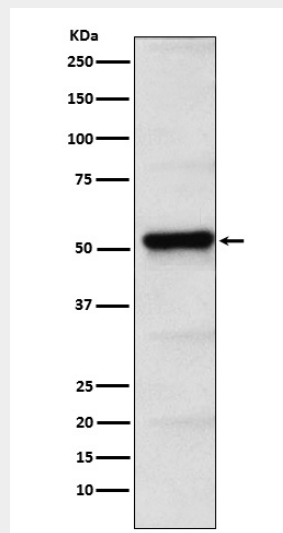
Ubiquitous.

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](#)

PICK1 Antibody - Images



Western blot analysis of PICK1 expression in HeLa cell lysate.