

## PICK1 polyclonal antibody

Catalog: BS60653

Host: Rabbit

Reactivity: Human

### BackGround:

Protein interacting with C kinase 1 (PICK1) is a PDZ-domain containing protein that is located in the perinuclear region and is phosphorylated in response to PKC $\alpha$  activation. PKC $\alpha$ , which is essential for the regulation of proliferation and differentiation in numerous cell types, contains within its catalytic region a PDZ-binding domain that is absent from other PKC isoforms. Mutation of the PICK1 PDZ domain inhibits the binding of PICK1 to PKC $\alpha$ . PICK1 also interacts with the carboxy terminus of  $\alpha$ -amino-3-hydroxy-5-methyl-isoxazole-4-propionic acid (AMPA) receptor, a neurotransmitter receptor located at excitatory synapses, suggesting that PICK1 plays a role in the modulation of synaptic transmission by targeting and anchoring AMPA to specific synapses.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 55 kDa

### Swiss-Prot:

Q9NRD5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

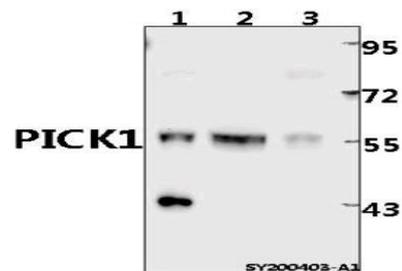
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

PICK1 polyclonal antibody detects endogenous levels of PICK1 protein.

### DATA:



Western blot (WB) analysis of PICK1 pAb at 1:500 dilution

Lane1:SHSY5Y whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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