

PICK1 Monoclonal antibody

Catalog Number: 67099-1-Ig

Basic Information

Catalog Number:

67099-1-Ig

Size:

2300 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28609

GenBank Accession Number:

BC017561

GeneID (NCBI):

9463

UNIPROT ID:

Q9NRD5

Full Name:

protein interacting with PRKCA 1

Calculated MW:

47 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

2E11A4

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse, Rat, Pig

Positive Controls:

WB : HeLa cells, LNCaP cells, MCF-7 cells, pig brain tissue, rat brain tissue, mouse brain tissue

Background Information

Protein interacting with C kinase 1 (PICK1) was first cloned as a PKC-binding partner through yeast two hybrid system. PICK1 acts as a critical regulator of membrane receptors' subcellular trafficking to modulate neural processes such as learning and memory, and is widely expressed in brain, testis, heart, lung, liver, kidney and muscle. It probably binds to and organize the subcellular localization of a variety of membrane proteins containing some PDZ recognition sequence, for instance, PICK1 is a critical mediator of α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor (AMPA) trafficking in neural synapses. PICK1 expression on D-serine release and glutamate transport in astrocytes suggests a potential implication of PICK1 in the progression of amyotrophic lateral sclerosis (ALS). PICK1 may also participate in breast cancer development through inhibition of TGF- β signaling.

Storage

Storage:

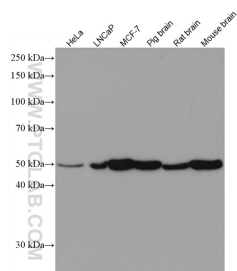
Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67099-1-Ig (PICK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.