

For Research Use Only

# PICK1 Monoclonal antibody

Catalog Number: 67099-1-Ig



## Basic Information

<b>Catalog Number:</b> 67099-1-Ig	<b>GenBank Accession Number:</b> BC017561	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9463	<b>CloneNo.:</b> 2E11A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NRD5	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> protein interacting with PRKCA 1	
<b>Immunogen Catalog Number:</b> AG28609	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, LNCaP cells, MCF-7 cells, pig brain tissue, rat brain tissue, mouse brain tissue
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	

## 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  $\alpha$ -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- $\beta$  signaling.

## Storage

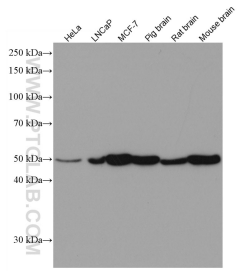
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## 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.