

# CoraLite® Plus 488-conjugated PICK1 Monoclonal antibody

Catalog Number: **CL488-67099**

## Basic Information

Catalog Number: CL488-67099	GenBank Accession Number: BC017561	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9463	CloneNo.: 2E11A4
Source: Mouse	UNIPROT ID: Q9NRD5	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: protein interacting with PRKCA 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28609	Calculated MW: 47 kDa	
	Observed MW: 50 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human, Mouse, Rat, Pig	

## Background Information

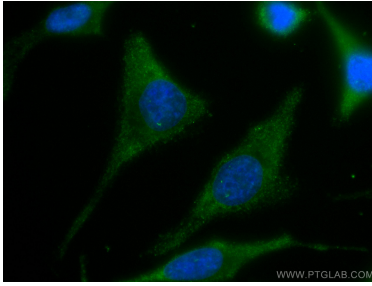
Protein interacting with C kinase 1 (PICK1) was first cloned as a PKC-binding partner through yeast two hybrid system. PICK1 acts as a critical regulator of membrane receptors' subcellular trafficking to modulate neural processes such as learning and memory, and is widely expressed in brain, testis, 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. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488-conjugated PICK1 antibody (CL488-67099, Clone: 2E11A4 ) at dilution of 1:100.