PICK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PICK1, Polyclonal Antibody
Full Product Name	PICK1, NT (Protein Interacting with PRKCA 1, Protein Interacting with C Kinase 1, PICK-1, PICK, MGC15204, Protein Kinase C alpha Binding Protein, PRKCA Binding Protein, Prkcabp) (MaxLight 650)
Product Gene Name	anti-PICK1 antibody
Product Synonym Names	Protein that Interacts with C Kinase 1; OTTHUMP00000028509
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human PRKCABP. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	415
OMIM	605926
3D Structure	ModBase 3D Structure for Q9NRD5
Immunogen	Synthetic peptide selected from the N-terminal region of human PRKCABP (KLH).
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-PICK1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PICK1 antibody	Western Blot (WB), FLISA
Application Notes for anti-PICK1 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PICK1 antibody	MBS6493407 is an antibody targeting PICK1. Also known as PICK1, NT (Protein Interacting with PRKCA 1, Protein Interacting with C Kinase 1, PICK-1, PICK, MGC15204, Protein Kinase C alpha Binding Protein, PRKCA Binding Protein, Prkcabp) (MaxLight 650). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PICK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PICK1. It may not necessarily be applicable to this product.

NCBI GI #	22095990
NCBI GeneID	9463
NCBI Accession #	Q9NRD5.2
UniProt Primary Accession #	Q9NRD5
UniProt Secondary Accession #	O95906; B3KS52
UniProt Related Accession #	Q9NRD5
NCBI Official Full Name	PRKCA-binding protein
NCBI Official Synonym Full Names	protein interacting with PRKCA 1
NCBI Official Symbol	PICK1
NCBI Official Synonym Symbols	PICK; PRKCABP
UniProt Protein Name	PRKCA-binding protein
UniProt Synonym Protein Names	Protein interacting with C kinase 1; Protein kinase C-alpha-binding protein
Protein Family	PRKCA-binding protein
UniProt Gene Name	PICK1
UniProt Synonym Gene Names	PRKCABP
UniProt Entry Name	PICK1_HUMAN
NCBI Protein Information	PRKCA-binding protein; protein interacting with C kinase 1; protein kinase C-alpha-binding protein
NCBI Summary for PICK1	The protein encoded by this gene contains a PDZ domain, through which it interacts with protein kinase C, alpha (PRKCA). This protein may function as an adaptor that binds to and organizes the subcellular localization of a variety of membrane proteins. It has been shown to interact with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, as well as non-voltage gated sodium channels, and may target PRKCA to these membrane proteins and thus regulate their distribution and function. This protein has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for PICK1	PICK1: 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 heteromeric ASIC1/ASIC3 channel. Protein type: Cell development/differentiation; Ligand, receptor tyrosine kinase; Adaptor/scaffold Chromosomal Location of Human Ortholog: 22q13.1 Cellular Component: presynaptic membrane; Golgi apparatus; postsynaptic membrane; neuron projection; cytoskeleton; mitochondrion; perinuclear region of cytoplasm; cytoplasm; plasma membrane; synapse; cell junction Molecular Function: actin filament binding; protein C-terminus binding; identical protein binding; protein domain specific binding; protein binding; enzyme binding; G-protein-coupled receptor binding; protein kinase C binding; metal ion binding; ATPase activity; receptor binding Biological Process: glial cell development; cellular response to glucose starvation; synaptic transmission; DNA methylation during gametogenesis; monoamine transport; positive regulation of receptor internalization; protein kinase C activation; retrograde vesicle-mediated transport, Golgi to ER; DNA methylation during embryonic development; neuronal ion channel clustering; protein amino acid phosphorylation; receptor clustering; protein targeting
Research Articles on PICK1	**1.** These data indicate that Pick1 is involved in regulating the cell-cell junction in epithelial cells.

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