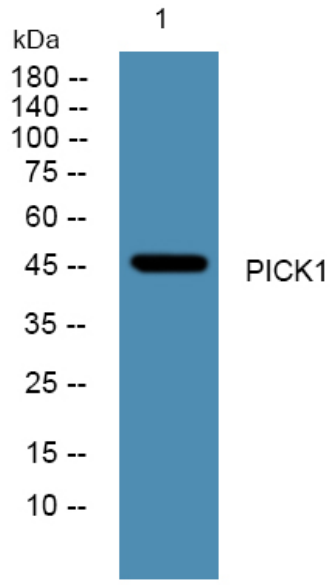
PICK1 Polyclonal Antibody

Catalog No	YP-Ab-07824
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PICK1 PRKCABP
Protein Name	PRKCA-binding protein (Protein interacting with C kinase 1) (Protein kinase C-alpha-binding protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PICK1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	45kD
Cell Pathway	Cytoplasm, perinuclear region. Membrane ; Peripheral membrane protein . Membrane ; Lipid-anchor . Cell junction, synapse, postsynaptic density . Cell junction, synapse, synaptosome . Cytoplasm, cytoskeleton . Also membrane-associated, present at excitatory synapses. .
Tissue Specificity	Ubiquitous.
Function	function: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. May be regulated upon PRKCA activation. May regulate ACCN3-ACCN2 heteromeric cation channel.,PTM:Phosphorylated.,similarity:Contains 1 AH domain.,similarity:Contains 1 PDZ (DHR) domain.,subcellular location:Also present at excitatory synapses.,subunit:Monomer and homodimer. Interacts presynaptically with the monoamine transporters SLC6A2 and SLC6A3; with the channel proteins ACCN1 and ACCN2; with the GTP-binding proteins ARF1 and ARF3. Interacts with PRKCA; with the ephrin receptor tyrosine kinases EPHA7, EPHB1 and EPHB2; and with ERBB2. Interacts with BTG2; with the glutamate receptors GRIA2, GRIA3, the isoform A of GRM

Background	protein interacting with PRKCA 1(PICK1) Homo sapiens 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4°over night