



PLCD4 mouse mAb

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|--|--------------------|--|
| Reactivity Human; Mouse;Rat Applications WB Gene Name PLCD4 Protein Name PLCD4 Immunogen Synthesized peptide derived from human PLCD4 AA range: 82-132 Specificity This antibody detects endogenous levels of PLCD4 at Human/Mouse/Rat Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.299% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4 (hPLCD4) (EC 3.1.4.11) (Phospholinositide phospholipase C-delta-4) (Phospholipase C-delta-4) (PLC-delta-4) Observed Band 85kD Cell Pathway Membrane; Peripheral membrane protein . Nucleus . Cytoplasm . Endoplasmic reticulum . Localizes primarily to intracellular membranes mostly to the endoplasmic reticulum. Tissue Specificity Highly expressed in skeletal muscle and kidney tissues, and at moderate level in intestinal tissue. Expressed in corneal epithelial cells. Function catalytic activity: 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-tisphosphate + diacylglycerol_cofactor:Binds 3 calcium ions per subunit. Two of the calcium ions are bound to the C2 domain, domain:The C2 domain mediates pre-localization to the membrane proto Ca(2+) import and non-selective Ca(2+) mediates the interaction with a GRIP1, domain:The PDZ-binding motif mediates the interaction with a GRIP1, domain:The PDZ-binding motif mediates the interaction with | Catalog No | BYmab-08184 |
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Nanjing BYabscience technology Co.,Ltd

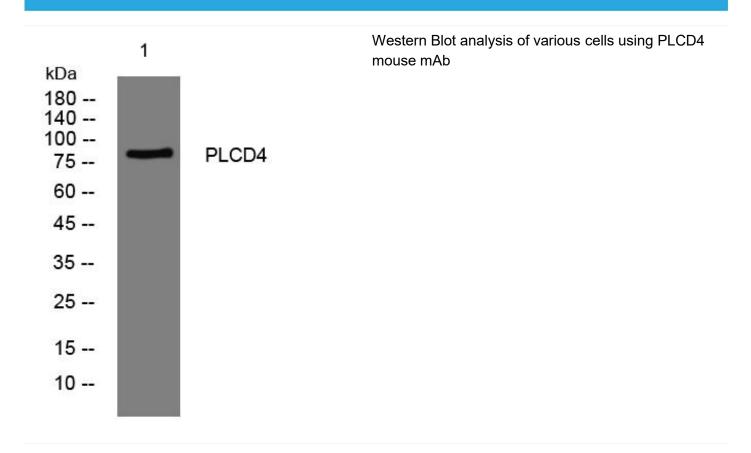


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| | to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). DAG mediates the activation of protein kinase C (PKC), while IP3 releases Ca(2+) from intracellular stores. Required for acrosome reaction in sperm during fertilization, probably by acting as an |
|---------------------------|---|
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| Background | This gene encodes a member of the delta class of phospholipase C enzymes. Phospholipase C enzymes play a critical role in many cellular processes by hydrolyzing phosphatidylinositol 4,5-bisphosphate into two intracellular second messengers, inositol 1,4,5-trisphosphate and diacylglycerol. Expression of this gene may be a marker for cancer. [provided by RefSeq, Jan 2011], |
| 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



Nanjing BYabscience technology Co.,Ltd

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