

PICAL Monoclonal Antibody

Immunogen Synthesized peptide derived from human protein . at AA range: 290-370		
Reactivity Human;Rat;Mouse; Applications WB Gene Name PICALM CALM Protein Name Phosphatidylinositol-binding clathrin assembly protein (Clathrin assembl lymphoid myeloid leukemia protein) Immunogen Synthesized peptide derived from human protein . at AA range: 290-370 Specificity PICAL Monoclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Observed Band 71kD Cell Pathway Cell membrane . Membrane, clathrin-coated pit . Golgi apparatus . Cytor vesicle, clathrin-coated vesicle . Nucleus . Colocalized with clathrin in the area (PubMed:10436022). Interaction with PIMREG may target PICALM nucleus in some cells (PubMed:16491119). Tissue Specificity Expressed in all tissues examined. Function disease: A chromosomal aberration involving PICALM is found in diffuse histocytic lymphomas. Translocation tt(10:11) (p13:q14) with MLLT 10, function:Assembly protein recruiting clathrin and adaptor protein complex 2 (AP2) to cell membranes a sites of coated-pit formation and clathrin-vesicle assembly. May be required to determine the amount of m to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involving PICALM is found to be recycled, possibly by regulating the size of the clathrin capel involv	YP	No YP-mAb-05922
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domain.,subcellular location:Colocalized with clathrin in the Golgi area.,subunit:Binds clathrin; involves primarily the C-terminal sequences full-length protein is required for full binding capacity. Binds	his ML cor cla to I AP jun dor are full pho	histiocytic lymphomas. Translocation t(10;11)(p13;q14) with MLLT10.,function:Assembly protein recruiting clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. May be required to determine the amount of membran to be recycled, possibly by regulating the size of the clathrin cage. Involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction.,similarity:Contains 1 ENTH (epsin N-terminal homology) domain.,subcellular location:Colocalized with clathrin in the Golgi area.,subunit:Binds clathrin; involves primarily the C-terminal sequences, but the full-length protein is required for full binding capacity. Binds phosphatidylinositol-4,5- bisphosphate.,tissue specificity:Expressed in all tissues



UpingBio technology Co.,Ltd





Background

This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10;11)(p13;q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 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