



## PI 3-kinase p101 Monoclonal Antibody

Catalog No         YP-mAb-14912           Isotype         IgG           Reactivity         Human;Mouse           Applications         WB           Gene Name         PIK3R5           Protein Name         Phosphoinositide 3-kinase regulatory subunit 5           Immunogen         The antiserum was produced against synthesized peptide derived from human PIK3R5. AA range:695-744           Specificity         P1 3-kinase p101 Monoclonal Antibody detects endogenous levels of PI 3-kinase p101 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA 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         PIK3R5, Phosphoinositide 3-kinase regulatory subunit 5; PI3-kinase regulatory subunit; Protein FOAP-2; Pitdins-           Observed Band         100kD           Cell Pathway         Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein. Predominantly logicalized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3G/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent		
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## UpingBio technology Co.,Ltd



**Background** 

Phosphatidylinositol 3-kinases (PI3Ks) phosphorylate the inositol ring of phosphatidylinositol at the 3-prime position, and play important roles in cell growth, proliferation, differentiation, motility, survival and intracellular trafficking. The PI3Ks are divided into three classes: I, II and III, and only the class I PI3Ks are involved in oncogenesis. This gene encodes the 101 kD regulatory subunit of the class I PI3K gamma complex, which is a dimeric enzyme, consisting of a 110 kD catalytic subunit gamma and a regulatory subunit of either 55, 87 or 101 kD. This protein recruits the catalytic subunit from the cytosol to the plasma membrane through high-affinity interaction with G-beta-gamma proteins. Multiple membrane through high-affinity interaction with G-beta-gamma proteins. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found. [provided by RefSeq, Oct 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**