



PI4KA rabbit pAb

Catalog No	YP-Ab-08581
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PI4KA PIK4 PIK4CA
Immunogen	Synthesized peptide derived from human PI4KA AA range: 1065-1115
Specificity	This antibody detects endogenous levels of PI4KA at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.7.1.67;Phosphatidylinositol 4-kinase alpha;Phosphatidylinositol 4-Kinase III alpha;PI4K-alpha;PI4-kinase alpha;PI4KA;PI4KA PIK4 PIK4CA
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm . Cell membrane . Localization to the plasma membrane is mediated by the PI4K complex and association with EFR3 (EFR3A or EFR3B), TTC7 (TTC7A or TTC7B) and FAM126 (FAM126A or FAM126B) (PubMed:23229899). Localization to the plasma membrane is regulated by TMEM150A (PubMed:25608530). .
Tissue Specificity	Expressed ubiquitously. Highest levels in placenta and brain. Little or no expression in lung, liver, pancreas, testis or leukocytes.
Function	catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol = ADP + 1-phosphatidyl-1D-myo-inositol 4-phosphate.,enzyme regulation:This is a type II PtdIns-4-kinase activated by detergents such as triton and inhibited by adenosine., function:Acts on phosphatidylinositol (PtdIns) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate., similarity:Belongs to the PI3/PI4-kinase family. Type III PI4K subfamily., similarity:Contains 1 PI3K/PI4K domain.,tissue specificity:Expressed



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Background

This gene encodes a phosphatidylinositol (PI) 4-kinase which catalyzes the first committed step in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. The mammalian PI 4-kinases have been classified into two types, II and III, based on their molecular mass, and modulation by detergent and adenosine. The protein encoded by this gene is a type III enzyme that is not inhibited by adenosine. [provided by RefSeq, Sep 2014],

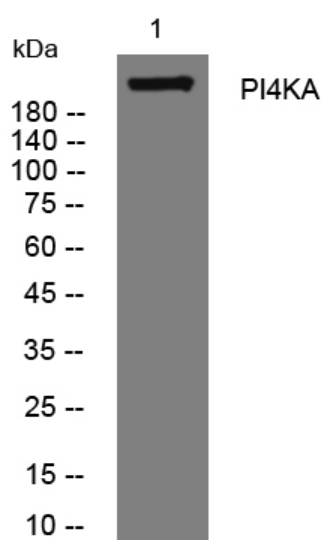
matters needing attention

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 Jarkat cells, primary antibody was diluted at 1:1000, 4° over night