



IP6K1 Monoclonal Antibody

Catalog No	YP-mAb-05013
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IP6K1 IHPK1 KIAA0263
Immunogen	Synthesized peptide derived from human protein . at AA range: 140-220
Specificity	IP6K1 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	IHPK1;InsP6 kinase 1;IP6K1;KIAA0263;PiUS;IP6K1 IHPK1 KIAA0263;Inositol hexakisphosphate kinase 1 (InsP6 kinase 1) (EC 2.7.4.21) (Inositol hexaphosphate kinase 1)
Observed Band	54 kDa
Calculated Molecular Weight	441 aa, 50 kDa
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Bone marrow, Eye, Hippocampus,
Function	catalytic activity:ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP + diphospho-1D-myo-inositol tetrakisphosphate (isomeric configuration unknown)., catalytic activity:ATP + 1D-myo-inositol hexakisphosphate = ADP + 5-diphospho-1D-myo-inositol (1,2,3,4,6)pentakisphosphate.,function:Converts inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). Converts 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4., similarity:Belongs to the inositol phosphokinase (IPK) family.,
Background	This gene encodes a member of the inositol phosphokinase family. The encoded protein may be responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-



InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jun 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