



InsP6 Kinase 3 Monoclonal Antibody

Catalog No	YP-mAb-14790
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IP6K3
Immunogen	The antiserum was produced against synthesized peptide derived from human IP6K3. AA range:201-250
Specificity	InsP6 Kinase 3 Monoclonal Antibody detects endogenous levels of InsP6 Kinase 3 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	D837E7Rik;EC 2.7.4.21;Inositol hexakisphosphate kinase 3;Inositol hexaphosphate kinase 3;InsP6 kinase 3;INSP6K3;Ip6k3;IP6K3_HUMAN;MGC12928;IHPK3
Observed Band	51kD
Calculated Molecular Weight	51kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Detected in brain.
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.,tissue specificity:Detected in brain.,



Background

This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely 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. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, Dec 2008],

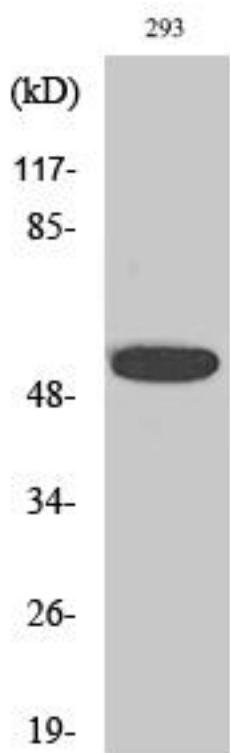
matters needing attention

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 various cells using InsP6 Kinase 3 Monoclonal Antibody