



KPI-2 Monoclonal Antibody

Catalog No	YP-mAb-14808
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LMTK2
Immunogen	The antiserum was produced against synthesized peptide derived from human LMTK2. AA range:651-700
Specificity	KPI-2 Monoclonal Antibody detects endogenous levels of KPI-2 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	AATYK 2;AATYK2;Apoptosis associated tyrosine kinase 2;Apoptosis-associated tyrosine kinase 2;Brain enriched kinase;Brain-enriched kinase;BREK;CDK5/p35 regulated kinase;CDK5/p35-regulated kinase;CPRK;cyclin-dependent kinase 5/ p35-regulated kinase;FLJ46659;hBREK;KIAA179;Kinase phosphatase inhibitor 2;Kinase/phosphatase/inhibitor 2;KPI 2;KPI-2;KPI2;Lemur tyrosine kinase 2; LMR 2;LMR2;LMTK 2;Lmtk2;LMTK2_HUMAN;PPP1R1;protein phosphatase 1; regulatory subunit 1;Serine/threonine protein kinase KPI 2;Serine/threonine protein kinase KPI2;Serine/threonine protein kinase LMTK 2;Serine/threonine protein kinase LMTK2;Serine/threonine-protein kinase KPI-2;Serine/threonine-protein kinase LMTK2;KIAA1079
Observed Band	164kD
Calculated Molecular Weight	164kD
Cell Pathway	Membrane ; Multi-pass membrane protein .
Tissue Specificity	Mainly expressed in skeletal muscle, and weakly in brain and pancreas.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., function:Phosphorylates PPP1C, phosphorylase b and CFTR.,online information:LMTK2 entry,PTM:Autophosphorylated. Phosphorylated.,



similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family., similarity:Contains 1 protein kinase domain.,subunit:Interacts with PPP1C and inhibitor-2.,tissue specificity:Mainly expressed in skeletal muscle, and weakly in brain and pancreas.,

Background

The protein encoded by this gene belongs to the protein kinase superfamily and the protein tyrosine kinase family. It contains N-terminal transmembrane helices and a long C-terminal cytoplasmic tail with serine/threonine/tyrosine kinase activity. This protein interacts with several other proteins, such as Inhibitor-2 (Inh2), protein phosphatase-1 (PP1C), p35, and myosin VI. It phosphorylates other proteins, and is itself also phosphorylated when interacting with cyclin-dependent kinase 5 (cdk5)/p35 complex. This protein involves in nerve growth factor (NGF)-TrkA signalling, and also plays a critical role in endosomal membrane trafficking. Mouse studies suggested an essential role of this protein in spermatogenesis. [provided by RefSeq, Oct 2009],

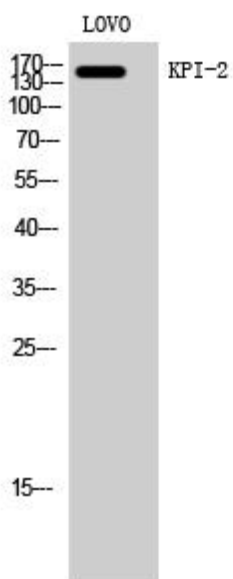
matters needing attention

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 KPI-2 Monoclonal Antibody