

Anti-Human LMTK2 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA04690**

3th Edition

Description: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.LMTK2 (Lemur Tyrosine Kinase 2) is a Protein Coding gene. Diseases associated with LMTK2 include Prostate Cancer Susceptibility and Deafness, Autosomal Recessive 37. Among its related pathways are GPCR Pathway and Nanog in Mammalian ESC Pluripotency. GO annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is AATK.

Antigen:Synthesized peptide derived from the Internal region of human KPI-2

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Mainly expressed in skeletal muscle, and weakly in brain and pancreas.