



# LMTK1 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYab-05002   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse  |
| <b>Applications</b>       | WB;ELISA   |
| <b>Gene Name</b>          | AATK AATYK KIAA0641 LMR1 LMTK1   |
| <b>Protein Name</b>       | Serine/threonine-protein kinase LMTK1 (EC 2.7.11.1) (Apoptosis-associated tyrosine kinase) (AATYK) (Brain apoptosis-associated tyrosine kinase) (CDK5-binding protein) (Lemur tyrosine kinase 1) (p35-bi   |
| <b>Immunogen</b>          | Synthesized peptide derived from human protein . at AA range: 1110-1190  |
| <b>Specificity</b>        | LMTK1 Polyclonal Antibody detects endogenous levels of protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           |  |
| <b>Observed Band</b>      | 151kD  |
| <b>Cell Pathway</b>       | Membrane ; Single-pass type I membrane protein . Cytoplasm . Cytoplasm, perinuclear region . Predominantly perinuclear.  |
| <b>Tissue Specificity</b> | Expressed in brain.  |
| <b>Function</b>           | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:May be involved in neuronal differentiation.,induction:Up-regulated during apoptosis.,PTM:Autophosphorylated. Phosphorylated by CDK5.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Contains 1 protein kinase domain.,subcellular location:Predominantly perinuclear.,subunit:Interacts with CDK5.,tissue specificity:Expressed in brain., |
| <b>Background</b>         | The protein encoded by this gene contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. This gene is induced during apoptosis, and expression of this gene may be a necessary pre-requisite  |

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for the induction of growth arrest and/or apoptosis of myeloid precursor cells. This gene has been shown to produce neuronal differentiation in a neuroblastoma cell line. Two transcript variants encoding different isoforms have been found for this gene. [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**