



# 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

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