

LMTK3 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05045
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human LMTK3. AA range:1251-1300
Mol wt	153661
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	LMTK3 Antibody
Synonyms	LMTK3; KIAA1883; TYKLM3; Serine/threonine-protein kinase LMTK3; Lemur tyrosine kinase 3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

LMTK3 (Lemur Tyrosine Kinase 3) is a Protein Coding gene. Among its related pathways are ERK Signaling and Akt Signaling. 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, rotein kinase which phosphorylates ESR1 (in vitro) and protects it against proteasomal degradation. May also regulate ESR1 levels indirectly via a PKC-AKT-FOXO3 pathway where it decreases the activity of PKC and the phosphorylation of AKT, thereby increasing binding of transcriptional activator FOXO3 to the ESR1 promoter and increasing ESR1 transcription (PubMed: 21602804). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (By similarity).

Recommended Dilution

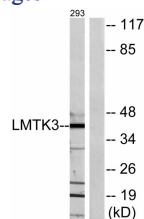
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

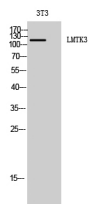
ELISA: 1: 20000

Not yet tested in other applications.

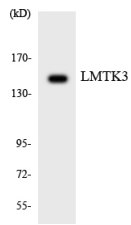
Images



Western blot analysis of lysates from 293 cells, using LMTK3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 3T3 cells using LMTK3 Polyclonal Antibody diluted at 1:2000



Western blot analysis of the lysates from HeLa cells using LMTK3 antibody.

Storage

-20°C for one year

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