10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LMTK3 Polyclonal Antibody
Catalog # AP70759

Specification

LMTK3 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q96Q04
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

LMTK3 Polyclonal Antibody - Additional Information

Gene ID 114783

Other Names
LMTK3; KIAA1883; TYKLM3; Serine/threonine-protein kinase LMTK3; Lemur tyrosine kinase 3

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

LMTK3 Polyclonal Antibody - Protein Information

Name LMTK3

Synonyms KIAA1883, TYKLM3

Function
Protein 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).

Cellular Location
Membrane {ECO:0000250|UniProtKB:Q5XJV6}; Single- pass membrane protein {ECO:0000250|UniProtKB:Q5XJV6}. Cell projection, axon {ECO:0000250|UniProtKB:Q5XJV6}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q5XJV6}. Golgi apparatus membrane

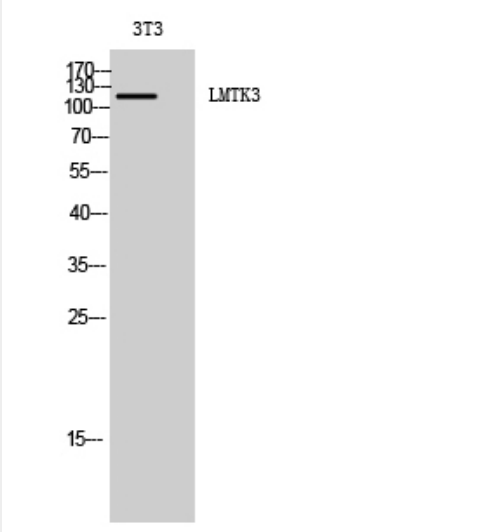
{ECO:0000250|UniProtKB:Q5XJV6}. Note=Punctate pattern in cell projections

LMTK3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LMTK3 Polyclonal Antibody - Images



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

LMTK3 Polyclonal Antibody - Background

Protein 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).