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Lmtk3 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI15513

Specification

Lmtk3 Antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q5XJV6
Other Accession	NM_001005511, NP_001005511
Reactivity	**Human, Mouse, Pig, Bovine, Guinea Pig**
Predicted	**Human, Mouse, Pig, Bovine, Guinea Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**151kDa KDa**

Lmtk3 Antibody - middle region - Additional Information

Gene ID 381983

Alias Symbol	**BC059845, aatyk3**

Other Names
Serine/threonine-protein kinase LMTK3, 2.7.11.1, Apoptosis-associated tyrosine kinase 3, Lemur tyrosine kinase 3, Lmtk3, Aatyk3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Lmtk3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Lmtk3 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Lmtk3 Antibody - middle region - Protein Information

Name Lmtk3

Synonyms Aatyk3

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 (By similarity). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (PubMed:24760852).

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Cellular Location
Membrane; Single- pass membrane protein. Cell projection, axon. Cell projection, dendrite. Golgi apparatus membrane. Note=Punctate pattern in cell projections

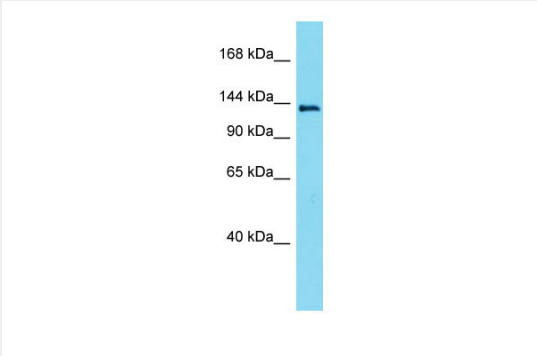
Tissue Location
Expressed in brain. Predominantly expressed in cerebral cortex, thalamus, the cerebellum and hippocampal formation (at protein level).

Lmtk3 Antibody - middle region - 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 Antibody - middle region - Images



Host: Rabbit
Target Name: Lmtk3
Sample Tissue: Mouse Pancreas lysates
Antibody Dilution: 1.0µg/ml

Lmtk3 Antibody - middle region - References

Tomomura M.,et al.Neuroscience 148:510-521(2007).
Trinidad J.C.,et al.Mol. Cell. Proteomics 5:914-922(2006).
Munton R.P.,et al.Mol. Cell. Proteomics 6:283-293(2007).