

Lmtk3 Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI15513

Product Information

Application	WB
Primary Accession	Q5XJV6
Other Accession	NM_001005511 , NP_001005511
Reactivity	Human, Mouse, Pig, Guinea Pig, Bovine
Predicted	Human, Mouse, Pig, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150891

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.

Protein Information

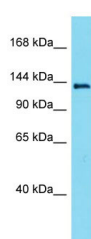
Name	Lmtk3
Synonyms	Aatyk3
Function	Protein kinase which phosphorylates ESR1 (in vitro) and protects it against proteasomal degradation. May also regulate ESR1 levels indirectly via a PKC-AKT-FOXO3 pathway where it decreases the activity of PKC and the phosphorylation of AKT, thereby increasing binding 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).

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).

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.