

Mouse Lmtk3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21694c

Product Information

Application	WB, E
Primary Accession	Q5XJV6
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB50413
Calculated MW	150891

Additional Information

Gene ID	381983
Other Names	Serine/threonine-protein kinase LMTK3, Apoptosis-associated tyrosine kinase 3, Lemur tyrosine kinase 3, Lmtk3, Aatyk3
Target/Specificity	This Mouse Lmtk3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 871-905 amino acids from the Central region of Mouse Lmtk3.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Lmtk3 Antibody (Center) 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

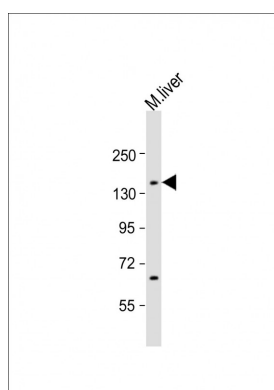
Tissue Location

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



Anti-Lmtk3 Antibody (Center) at 1:2000 dilution + mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 151 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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