

Mouse Lmtk3 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21694c**Specification**

Mouse Lmtk3 Blocking Peptide (Center) - Product InformationPrimary Accession [Q5XJV6](#)**Mouse Lmtk3 Blocking Peptide (Center) - 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

The synthetic peptide sequence is selected from aa 891-905 of HUMAN Lmtk3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Lmtk3 Blocking Peptide (Center) - 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).

Mouse Lmtk3 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

Mouse Lmtk3 Blocking Peptide (Center) - Images

Mouse Lmtk3 Blocking Peptide (Center) - 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).