ARG45163
anti-LMTK3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LMTK3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	LMTK3
Species	Human
Immunogen	Recombinant protein containing to human LMTK3.
Conjugation	Un-conjugated
Alternate Names	Serine/threonine protein kinase LMTK3; Lemur tyrosine kinase 3; LMTK3; KIAA1883; TYKLM3

Application Instructions

Application table

Application	Dilution
IHC-P	0.5-1 µg/ml
WB	0.1-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	153 kDa

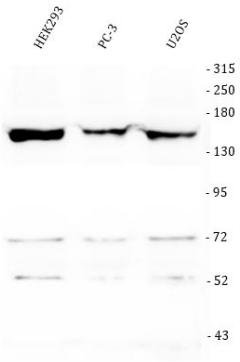
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

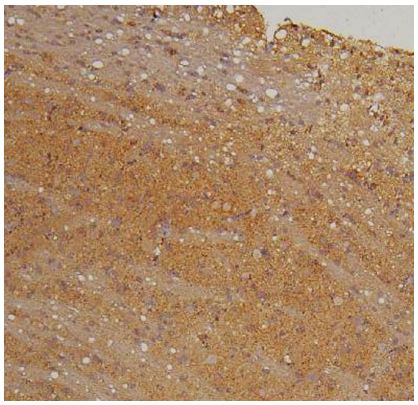
Gene Symbol	LMTK3
Gene Full Name	lemur tyrosine kinase 3
Background	Lemur tyrosine kinase 3 is a protein that in humans is encoded by the LMTK3 gene. It is mapped to 19q13.33. LMTK3 (lemur tyrosine kinase 3), also known as LMR3 or TYKLM3, is a 1,460 amino acid protein that contains one protein kinase domain. One of several members of the protein kinase superfamily, LMTK3 is expressed at low levels in brain and testis where it catalyzes the ATP-dependent phosphorylation of target proteins, thereby modifying their function.
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. [UniProt]
Calculated Mw	153 kDa
PTM	Glycoprotein; Methylation; Phosphoprotein. [UniProt]
Cellular Localization	Golgi apparatus membrane . [UniProt] Membrane . [UniProt] Single-pass membrane protein . [UniProt] Axon . [UniProt] Dendrite . [UniProt]

Images



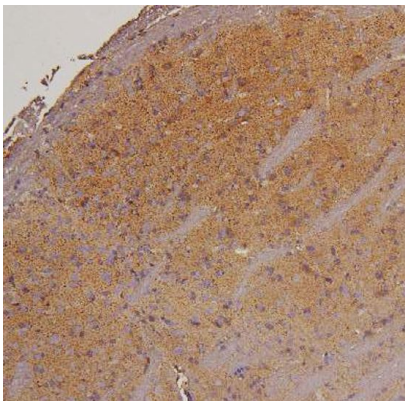
ARG45163 anti-LMTK3 antibody WB image

Western blot: HEK293, PC-3, and U2OS stained with ARG45163 anti-LMTK3 antibody at 0.5 µg/ml dilution.



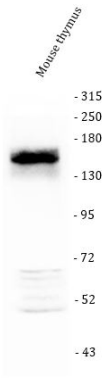
ARG45163 anti-LMTK3 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45163 anti-LMTK3 antibody at 1 µg/ml dilution. .



ARG45163 anti-LMTK3 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45163 anti-LMTK3 antibody at 1 µg/ml dilution.



ARG45163 anti-LMTK3 antibody WB image

Western blot: Mouse thymus stained with ARG45163 anti-LMTK3 antibody at 0.5 µg/ml dilution.