

## Rabbit anti-Human, Mouse LMTK3 Polyclonal Antibody | anti-LMTK3 antibody

LMTK3 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA324098 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

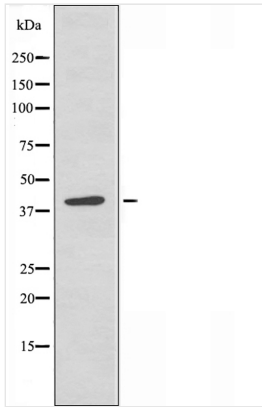
### PRODUCT SYNONYMS

LMTK3; Polyclonal Antibody; LMTK3 Antibody; BC059845; KIAA1883; Lemur tyrosine kinase 3; LMR3; MGC90743; Serine/threonine-protein kinase LMTK3; TYKLM3; anti-LMTK3 antibody

### PRODUCT SPECIFICATIONS

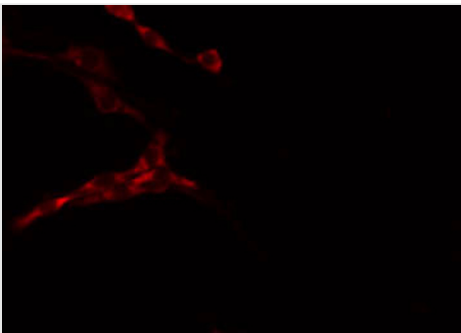
|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human, Mouse                                                                                  |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | LMTK3 antibody detects endogenous levels of total LMTK3                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 1460                                                                                          |
| Applicable Applications for anti-LMTK3 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | A synthesized peptide                                                                         |
| Subcellular Location                            | Cell Membrane                                                                                 |
| Predicted Cross Reactivity                      | <b>Pig, Bovine</b>                                                                            |
| Similarity                                      | Pig (100%), Bovine (100%)                                                                     |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using LMTK3 antibody.



IF (Immunofluorescence)

AAA324098 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LMTK3 antibody

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 (PubMed:21602804). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (By similarity).  
Subunit Structure: Interacts with ESR1 (PubMed:21602804). Interacts with AP-2 complex subunit alpha (By similarity).  
Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family.

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 117949603                             |
| NCBI GeneID                      | 114783                                |
| UniProt Accession #              | Q96Q04; Q4G0U1                        |
| Molecular Weight                 | Observed: 40 kD<br>Predicted: 154 kDa |
| NCBI Official Full Name          | Serine/threonine-protein kinase LMTK3 |
| NCBI Official Synonym Full Names | lemur tyrosine kinase 3               |
| NCBI Official Symbol             | LMTK3                                 |
| NCBI Official Synonym Symbols    | LMR3; TYKLM3; PPP1R101                |
| NCBI Protein Information         | serine/threonine-protein kinase LMTK3 |
| UniProt Protein Name             | Serine/threonine-protein kinase LMTK3 |
| UniProt Gene Name                | LMTK3                                 |
| UniProt Synonym Gene Names       | KIAA1883; TYKLM3                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.