# Human LMTK2 Alexa Fluor® 700-conjugated Antibody

Monoclonal Rat $IgG_{2B}$ Clone # 465222

Catalog Number: FAB5147N

100 µg

## DESCRIPTION

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| **Species Reactivity** | Human |
| **Specificity** | Detects human LMTK2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human AATK is observed. |
| **Source** | Monoclonal Rat $IgG_{2B}$ Clone # 465222 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | *E. coli*-derived recombinant human LMTK2<br>Ala93-Tyr284<br>Accession # Q8IWU2 |
| **Conjugate** | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

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| **Western Blot** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied |

## BACKGROUND

LMTK2 (lemur tyrosine kinase 2), also known as KPI-2 (kinase/phosphatase inhibitor 2), cprk (cdk5-regulated kinase) or Brek (brain-enriched kinase), is a 210 kDa type I transmembrane ser/thr kinase that is a member of the lemur family of kinases with long (lemur-like) C-terminal cytoplasmic tails. It is expressed mainly in the brain and is enriched in perinatal neurons, but is also found in germ cells. Amino acids (aa) 93-284 of human LMTK2 share 93% and 92% aa identity with mouse and rat LMTK2, respectively.

## PRODUCT SPECIFIC NOTICES

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