

DESCRIPTION

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	<i>E. coli</i> -derived recombinant human LMTK2 Ala93-Tyr284 Accession # Q8IWU2
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

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

PREPARATION AND STORAGE

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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