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Mouse Ltk Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14152B

Specification

Mouse Ltk Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P08923
Other Accession	NP_976220.2, NP_996825.2, NP_996824.1
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**94471**
Antigen Region	**795-822**

Mouse Ltk Antibody (C-term) - Additional Information

Gene ID 17005

Other Names
Leukocyte tyrosine kinase receptor, Ltk

Target/Specificity
This Mouse Ltk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 795-822 amino acids from the C-terminal region of mouse Ltk.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Ltk Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Ltk Antibody (C-term) - Protein Information

Name Ltk {ECO:0000303|PubMed:2357970}

Function Receptor with a tyrosine-protein kinase activity. Following activation by ALKAL1 or ALKAL2 ligands at the cell surface, transduces an extracellular signal into an intracellular

response. Ligand-binding to the extracellular domain induces tyrosine kinase activation, leading to activation of the mitogen-activated protein kinase (MAPK) pathway (By similarity). Phosphorylates almost exclusively at the first tyrosine of the Y-x-x-x-Y-Y motif (By similarity). The exact function of this protein is not known; studies with chimeric proteins demonstrate its ability to promote growth and specifically neurite outgrowth, and cell survival. Involved in regulation of the secretory pathway involving endoplasmic reticulum (ER) export sites (ERESs) and ER to Golgi transport (By similarity).

Cellular Location
Cell membrane; Single-pass type I membrane protein [Isoform B]: Endoplasmic reticulum. Note=Retained in the endoplasmic reticulum.

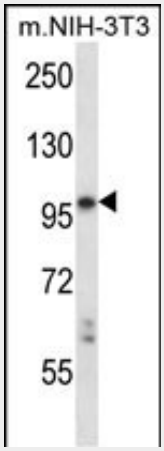
Tissue Location
Subsets of lymphoid and neuronal cells.

Mouse Ltk Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Ltk Antibody (C-term) - Images



Mouse Ltk Antibody (C-term) (Cat. #AP14152b) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the Ltk antibody detected the Ltk protein (arrow).

Mouse Ltk Antibody (C-term) - Background

The protein encoded by this gene is a member of the ros/insulin receptor family of tyrosine kinases. Tyrosine-specific phosphorylation of proteins is a key to the control of diverse pathways leading to cell growth and differentiation. Four alternatively spliced transcript variants encoding different

isoforms have been described for this gene. These transcripts are expressed in a tissue-specific manner in lymphocytes, brain and neuroblastoma cells, and the encoded isoforms exhibit different subcellular localization. The lymphocyte and brain specific variants initiate translation at non-AUG (CUG) start codons.

Mouse Ltk Antibody (C-term) - References

Li, J., et al. J. Biol. Chem. 283(49):34260-34272(2008)
Yu, X., et al. J. Immunol. 177(10):7042-7049(2006)
Li, N., et al. Hum. Mol. Genet. 13(2):171-179(2004)
Thut, C.J., et al. Dev. Biol. 231(1):63-76(2001)
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