10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Matk Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14271b

Specification

Mouse Matk Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P41242
Other Accession	P41243, NP_034898.1
Reactivity	**Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**56056**
Antigen Region	**477-505**

Mouse Matk Antibody (C-term) - Additional Information

Gene ID 17179

Other Names
Megakaryocyte-associated tyrosine-protein kinase, Protein kinase NTK, Tyrosine-protein kinase CTK, Matk, Ctk, Ntk

Target/Specificity
This Mouse Matk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 477-505 amino acids from the C-terminal region of mouse Matk.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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

Mouse Matk Antibody (C-term) - Protein Information

Name Matk

Synonyms Ctk, Ntk

Function Could play a significant role in the signal transduction of hematopoietic cells. May regulate tyrosine kinase activity of SRC- family members in brain by specifically phosphorylating their C- terminal regulatory tyrosine residue which acts as a negative regulatory site. It may play an inhibitory role in the control of T- cell proliferation.

Cellular Location
Cytoplasm. Membrane. Note=In platelets, 90% of MATK localizes to the membrane fraction, and translocates to the cytoskeleton upon thrombin stimulation.

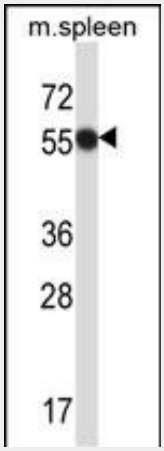
Tissue Location
Most abundant in brain, and to a lesser extent in the spleen, the thymus and the liver. Also found in the T-cell lineage

Mouse Matk Antibody (C-term) - Protocols

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

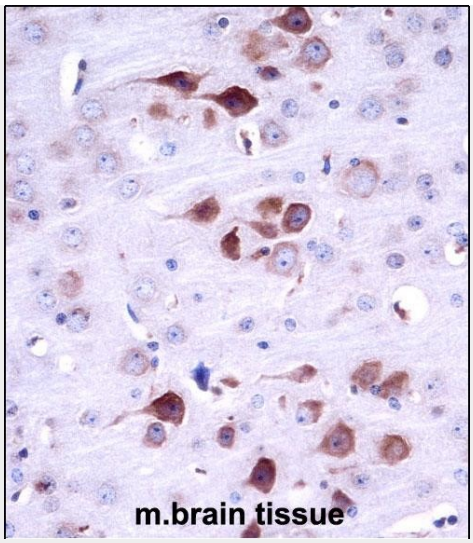
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Matk Antibody (C-term) - Images



Mouse Matk Antibody (C-term) (Cat. #AP14271b) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the Matk antibody detected the Matk protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Mouse Matk Antibody (C-term) (AP14271b)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Matk Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Mouse Matk Antibody (C-term) - Background

Could play a significant role in the signal transduction of hematopoietic cells. May regulate tyrosine kinase activity of SRC-family members in brain by specifically phosphorylating their C-terminal regulatory tyrosine residue which acts as a negative regulatory site. It may play an inhibitory role in the control of T-cell proliferation.

Mouse Matk Antibody (C-term) - References

Lee, B.C., et al. Blood 108(3):904-907(2006)
Robinson, D.R., et al. Oncogene 19(49):5548-5557(2000)
Puttagunta, R., et al. Genome Res. 10(9):1369-1380(2000)
Samokhvalov, I., et al. Biochem. Mol. Biol. Int. 43(1):115-122(1997)
Kozak, C.A., et al. Mamm. Genome 7(2):164-165(1996)