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PTK9L Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11665a

Specification

PTK9L Antibody (N-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q6IBS0
Other Accession	Q9Z0P5, NP_009215.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39548**
Antigen Region	**28-57**

PTK9L Antibody (N-term) - Additional Information

Gene ID 11344

Other Names
Twinfilin-2, A6-related protein, hA6RP, Protein tyrosine kinase 9-like, Twinfilin-1-like protein, TWF2, PTK9L

Target/Specificity
This PTK9L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-57 amino acids from the N-terminal region of human PTK9L.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

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
PTK9L Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTK9L Antibody (N-term) - Protein Information

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Name TWF2

Synonyms PTK9L

Function Actin-binding protein involved in motile and morphological processes. Inhibits actin polymerization, likely by sequestering G- actin. By capping the barbed ends of filaments, it also regulates motility. Seems to play an important role in clathrin-mediated endocytosis and distribution of endocytic organelles. May play a role in regulating the mature length of the middle and short rows of stereocilia (By similarity).

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Cell projection, stereocilium. Note=Perinuclear and G-actin-rich cortical actin structure sublocalization

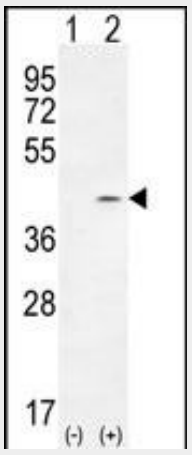
Tissue Location
Ubiquitously expressed (at protein level).

PTK9L Antibody (N-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

PTK9L Antibody (N-term) - Images



Western blot analysis of PTK9L (arrow) using rabbit polyclonal PTK9L Antibody (N-term) (Cat. #AP11665a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PTK9L gene.

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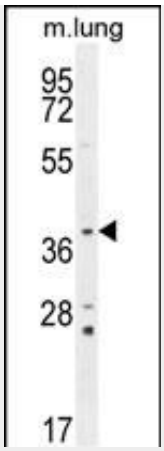
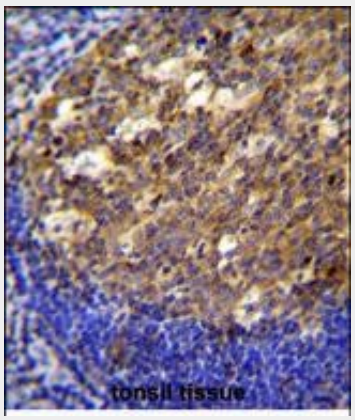
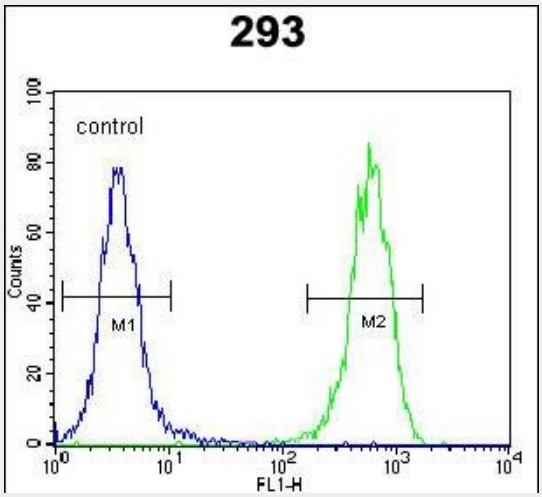


PTK9L Antibody (N-term) (Cat. #AP11665a) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the PTK9L antibody detected the PTK9L protein (arrow).



PTK9L Antibody (N-term) (Cat. #AP11665a)immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PTK9L Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PTK9L Antibody (N-term) (Cat. #AP11665a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PTK9L Antibody (N-term) - Background

The protein encoded by this gene was identified by its interaction with the catalytic domain of protein kinase C-zeta. The encoded protein contains an actin-binding site and an ATP-binding site. It is most closely related to twinfilin (PTK9), a conserved actin monomer-binding protein.

PTK9L Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)
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Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
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