

# Twinfilin-2 (PTK9L) Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7180a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6IBS0</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	39548
<b>Antigen Region</b>	320-349

## Additional Information

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<b>Gene ID</b>	11344
<b>Other Names</b>	Twinfilin-2, A6-related protein, hA6RP, Protein tyrosine kinase 9-like, Twinfilin-1-like protein, TWF2, PTK9L
<b>Target/Specificity</b>	This Twinfilin-2 (PTK9L) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 320-349 amino acids from the C-terminal region of human Twinfilin-2 (PTK9L).
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	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.
<b>Precautions</b>	Twinfilin-2 (PTK9L) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TWF2
<b>Synonyms</b>	PTK9L
<b>Function</b>	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).

<b>Cellular Location</b>	Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Cell projection, stereocilium. Note=Perinuclear and G-actin-rich cortical actin structure sublocalization
<b>Tissue Location</b>	Ubiquitously expressed (at protein level).

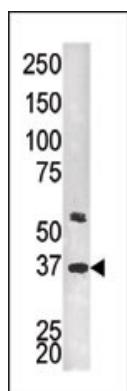
## Background

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.

## References

Rohwer, A., et al., Eur. J. Biochem. 263(2):518-525 (1999).

## Images



The anti-PTK9L Pab (Cat. #AP7180a) is used in Western blot to detect PTK9L in HEPG2 tissue lysate.

## Citations

- [MyosinVIIa interacts with Twinfilin-2 at the tips of mechanosensory stereocilia in the inner ear.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.