

CDC14A Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17213b

Specification

CDC14A Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9UNH5
Other Accession	NP_003663.2 , NP_201569.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66574
Antigen Region	473-500

CDC14A Antibody (C-term) - Additional Information

Gene ID 8556

Other Names

Dual specificity protein phosphatase CDC14A, CDC14 cell division cycle 14 homolog A, CDC14A

Target/Specificity

This CDC14A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 473-500 amino acids from the C-terminal region of human CDC14A.

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

CDC14A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CDC14A Antibody (C-term) - Protein Information

Name CDC14A

Function Dual-specificity phosphatase. Required for centrosome separation and productive cytokinesis during cell division. Dephosphorylates SIRT2 around early anaphase. May

dephosphorylate the APC subunit FZR1/CDH1, thereby promoting APC-FZR1 dependent degradation of mitotic cyclins and subsequent exit from mitosis. Required for normal hearing (PubMed:[29293958](#)).

Cellular Location

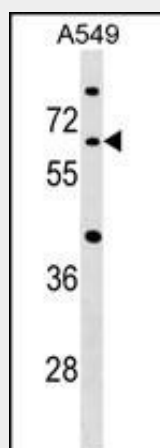
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Cell projection, kinocilium {ECO:0000250|UniProtKB:Q6GQT0}. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q6GQT0}. Note=Centrosomal during interphase, released into the cytoplasm at the onset of mitosis. Subsequently localizes to the mitotic spindle pole and at the central spindle (PubMed:12134069, PubMed:11901424, PubMed:15263015). Present along both the transient kinocilia of developing cochlear hair cells and the persistent kinocilia of vestibular hair cells (By similarity) {ECO:0000250|UniProtKB:Q6GQT0, ECO:0000269|PubMed:11901424, ECO:0000269|PubMed:12134069, ECO:0000269|PubMed:15263015}

CDC14A 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 Cytometry](#)
- [Cell Culture](#)

CDC14A Antibody (C-term) - Images



CDC14A Antibody (C-term) (Cat. #AP17213b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the CDC14A antibody detected the CDC14A protein (arrow).

CDC14A Antibody (C-term) - Background

The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. It is highly similar to *Saccharomyces cerevisiae* Cdc14, a protein tyrosine phosphatase involved in the exit of cell mitosis and initiation of DNA replication, suggesting a role in cell cycle control. This

protein has been shown to interact with, and dephosphorylate tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splicing of this gene results in several transcript variants encoding distinct isoforms. [provided by RefSeq].

CDC14A Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press :
Mocciaro, A., et al. J. Cell Biol. 189(4):631-639(2010)
Song, S.Y., et al. APMIS 118(5):389-393(2010)
Chen, J.S., et al. Biotechnol. Lett. 31(5):615-621(2009)