

CDC14A antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15092**Specification**

CDC14A antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9UNH5
Other Accession	NM_003672 , NP_003663
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66kDa KDa

CDC14A antibody - C-terminal region - Additional Information**Gene ID** 8556**Alias Symbol** **cdc14, hCDC14****Other Names**

Dual specificity protein phosphatase CDC14A, 3.1.3.16, 3.1.3.48, CDC14 cell division cycle 14 homolog A, CDC14A

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CDC14A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CDC14A antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CDC14A antibody - C-terminal region - 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

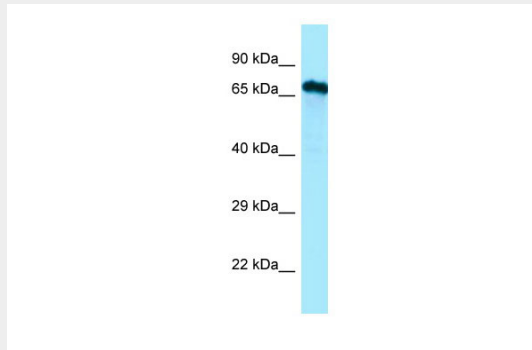
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Cell projection, kinocilium {ECO:0000250|UniProtKB:Q6GQT0}. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q6GQT0}. Note=Centrosomal during interphase, released into the cytoplasm at the onset of mitosis. Subsequently localizes to the mitotic spindle pole and at the central spindle (PubMed:11901424, PubMed:12134069, 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-terminal region - 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-terminal region - Images



WB Suggested Anti-CDC14A Antibody Titration: 1.0 µg/ml

Positive Control: RPMI-8226 Whole Cell CDC14A is strongly supported by BioGPS gene expression data to be expressed in Human RPMI-8226 cells

CDC14A antibody - C-terminal region - References

Li L.,et al.J. Biol. Chem. 272:29403-29406(1997).
Wong A.K.C.,et al.Genomics 59:248-251(1999).
Hao L.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Belyaev A.S.,et al.Submitted (MAY-2006) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).