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

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

Specification

CDC14A antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9UNH5
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).

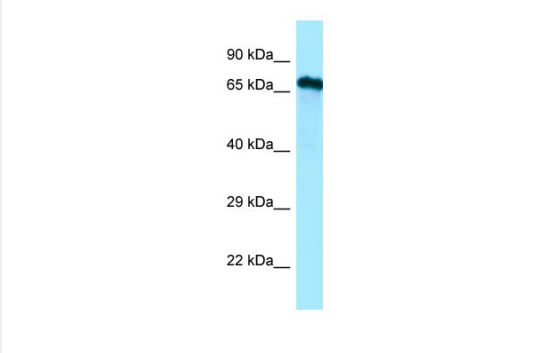
Cellular Location
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Cell projection, kinocilium {ECO:0000250|UniProtKB:Q6GQT0}. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q6GQT0}. Note=Centrosomal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

CDC14A antibody - C-terminal region - Images



WB Suggested Anti-CDC14A Antibody Titration: 1.0 µg/ml
Positive Control: RPMI-8226 Whole CellCDC14A 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).