

Anti-CDC14A Antibody

Rabbit polyclonal antibody to CDC14A

Catalog # AP61024

Product Information

Application	WB
Primary Accession	Q9UNH5
Other Accession	Q6GQT0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66574

Additional Information

Gene ID	8556
Other Names	Dual specificity protein phosphatase CDC14A; CDC14 cell division cycle 14 homolog A
Target/Specificity	Recognizes endogenous levels of CDC14A protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

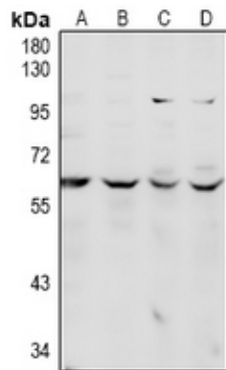
Name	CDC14A
Function	Dual-specificity phosphatase. Required for centrosome separation and productive cytokinesis during cell division. Dephosphorylates SIRT2 around early anaphase. May dephosphorylate the APC subunit FZR1/CDH1, thereby promoting APC-FZR1 dependent degradation of mitotic cyclins and subsequent 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}

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDC14A. The exact sequence is proprietary.

Images



Western blot analysis of CDC14A expression in C6 (A), MEF (B), K562 (C), HEK293T (D) whole cell lysates.

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