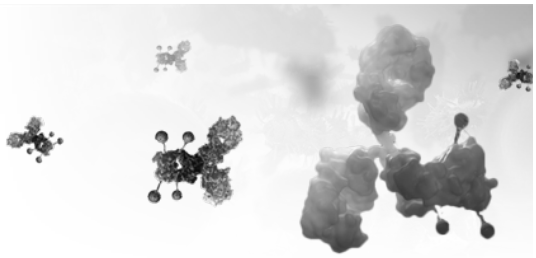

Mouse anti-Human CDC14A monoclonal antibody, clone 3D23 (CABT-B9918)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CDC14A (NP_003663, 431 a.a. ~ 531 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	3D23
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	PFRLSSSLQGSAVTLKTSKMALSPSATAKRINRTSLSSGATVRSFSINSRLASSLGNLNA ATDDPENKKTSSSSKAGFTASPFTNLLNGSSQPTTRNYPE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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, Jul 2008]
Keywords	CDC14A; cell division cycle 14A; cdc14; hCDC14; dual specificity protein phosphatase CDC14A; CDC14 cell division cycle 14 homolog A; CDC10 (cell division cycle 10, S. cerevisiae, homolog);

GENE INFORMATION

Entrez Gene ID	8556
UniProt ID	Q9UNH5
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Conversion from APC/C:Cdc20 to APC/C:Cdh1 in late anaphase, organism-specific biosystem
Function	hydrolase activity; phosphoprotein phosphatase activity; protein binding; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity

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