

CC14B Polyclonal Antibody

Catalog No :	YN1798
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	CC14B
Fields :	>>Cell cycle
Gene Name :	CDC14B
Protein Name :	Dual specificity protein phosphatase CDC14B (EC 3.1.3.16) (EC 3.1.3.48) (CDC14 cell division cycle 14 homolog B)
Human Gene Id :	8555
Human Swiss Prot No :	O60729
Mouse Swiss Prot No :	Q6PFY9
Immunogen :	Synthesized peptide derived from part region of human protein AA range: 407-457
Specificity :	CC14B Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band :	54kD
Cell Pathway :	Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;
Background :	cell division cycle 14B(CDC14B) Homo sapiens The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to Saccharomyces cerevisiae Cdc14, a protein tyrosine phosphatase involved in the exit of cell mitosis and initiation of DNA replication, which suggests the role in cell cycle control. This protein has been shown to interact with and dephosphorylates tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splice of this gene results in 3 transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008],
Function :	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,domain:Composed of two structurally equivalent A and B domains that adopt a dual specificity protein phosphatase (DSP) fold.,function:Dual-specificity phosphatase. Preferentially dephosphorylates proteins modified by proline-directed kinases.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class CDC14 subfamily.,subcellular location:Nucleolar during interphase.,
Subcellular Location :	Nucleus, nucleolus. Nucleus, nucleoplasm. Following DNA damage, translocates from the nucleolus to the nucleoplasm and interacts with FZR1/CDH1.
Expression :	Placenta,Uterus,

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