



Anti-CDC14B monoclonal antibody (DCABH-10935)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to <i>Saccharomyces cerevisiae</i> 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.
Immunogen	A synthetic peptide of human CDC14B is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CDC14B CDC14 cell division cycle 14 homolog B (S. cerevisiae) [Homo sapiens]
Official Symbol	CDC14B
Synonyms	CDC14B; CDC14 cell division cycle 14 homolog B (S. cerevisiae); CDC14 (cell division cycle 14, S. cerevisiae) homolog B; dual specificity protein phosphatase CDC14B; Cdc14B1; Cdc14B2; CDC14B3; hCDC14B;
Entrez Gene ID	8555
Protein Refseq	NP_001070649
UniProt ID	O60729
Chromosome Location	9q22.3
Pathway	Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; PLK1 signaling events, organism-specific biosystem;
Function	hydrolase activity; protein serine/threonine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;