

Anti-Cdc6 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9531-Biotin

About CDC6

Cell division control protein 6 homolog, also called CDC18L or CDC6, is a protein that in humans is encoded by the CDC6 gene. By analysis of somatic cell hybrids and by fluorescence in situ hybridization, this gene is mapped to 17q21.2. The protein encoded by this gene is highly similar to *Saccharomyces cerevisiae* Cdc6, a protein essential for the initiation of DNA replication. And this protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdk. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins. This gene is involved in the initiation of DNA replication.

Overview

Product Name	Anti-Cdc6 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q99741

Technical Details

Immunogen	E.coli-derived human Cdc6 recombinant protein (Position: V147-A549). Human Cdc6 shares 87.3% amino acid (aa) sequence identity with mouse Cdc6.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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