

Anti-CDC45L Picoband® Antibody (monoclonal, 6H6) Biotin Conjugated

Catalog Number: M01367-2-Biotin

About CDC45

CDC45 is a protein that in humans is encoded by the CDC45L gene. The protein encoded by this gene was identified by its strong similarity with *Saccharomyces cerevisiae* Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in *Xenopus* suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Alternate splicing results in multiple transcript variants.

Overview

Product Name	Anti-CDC45L Picoband® Antibody (monoclonal, 6H6) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 6H6
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	O75419

Technical Details

Immunogen	E. coli-derived human CDC45L recombinant protein (Position: E166-A431).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
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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