

RecomAb™

CDC45 recombinant monoclonal antibody, clone 4B4

Catalog # RAB04379 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CDC45.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CDC45.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CDC45L

Entrez GeneID [8318](#)

Protein Accession#	O75419
Gene Name	CDC45L
Gene Alias	CDC45, CDC45L2, PORC-PI-1
Gene Description	CDC45 cell division cycle 45-like (S. cerevisiae)
Omim ID	603465
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene was identified by its strong similarity with <i>Saccharomyces cerevisiae</i> 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 <i>Xenopus</i> suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Multiple polyadenylation sites of this gene are reported. [provided by RefSeq]</p>
Other Designations	CDC45 (cell division cycle 45, <i>S.cerevisiae</i> , homolog)-like CDC45-like CDC45-related protein cell division cycle 45-like 2 human CDC45

Pathway

- [Cell cycle](#)

Disease

- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)