



# CDC45 Polyclonal Antibody

<b>Catalog No</b>	BYab-05178
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CDC45 CDC45L CDC45L2 UNQ374/PRO710
<b>Protein Name</b>	Cell division control protein 45 homolog (PORC-PI-1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 90-170
<b>Specificity</b>	CDC45 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	62kD
<b>Cell Pathway</b>	Cytoplasm. Nucleus.
<b>Tissue Specificity</b>	Widely expressed, highest levels are found in adult testis and thymus and in fetal liver.
<b>Function</b>	developmental stage:Transcript peaks at G1-S transition, but total protein remains constant throughout the cell cycle. Expressed in multiple tissues during embryogenesis, including neural crest-derived structures.,function:Required for initiation of chromosomal DNA replication.,similarity:Belongs to the CDC45 family.,subunit:Associated with ORC2L.,tissue specificity:Widely expressed, highest levels are found in adult testis and tyhmus and in fetal liver.,
<b>Background</b>	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

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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. [provided by RefSeq, Jul 2013],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images