



CDC45 Antibody

Product Code	CSB-RA005020A0HU
Abbreviation	Cell division control protein 45 homolog
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O75419
Immunogen	A synthesized peptide derived from human CDC45
Species Reactivity	Human
Tested Applications	ELISA
Relevance	Required for initiation of chromosomal DNA replication.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Cell division control protein 45 homolog, PORC-PI-1, CDC45, CDC45L, CDC45L2, UNQ374/PRO710
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Gene Names	CDC45
Accession NO.	4B4

Description

The CDC45 recombinant monoclonal antibody is prepared by cloning the gene fragment encoding human CDC45 protein into the expression vector and subsequently transfecting clones into the cell line for in vitro expression. This CDC45 antibody can detect the endogenous content of the human CDC45 protein. It is purified by the affinity chromatography method. And it has been validated in the ELISA application.

DNA replication protein CDC45 is an integral part of the eukaryotic CMG (Cdc45-MCM-GINS) replicative helicase. CDC45 functions with the replisome CMG helicase where minichromosome maintenance (MCM2–7) proteins provide motor activity for unwinding duplex during replication. It plays an essential role in initiating chromosomal DNA replication.