

CDC45 Antibody

Rabbit mAb Catalog # AP90935

Product Information

Application WB, IHC, IF, FC, ICC, IHF

Primary Accession <u>075419</u>

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names CDC45L; CDC45L2; PORC-PI-1; CDC45;

IsotypeRabbit IgGHostRabbitCalculated MW65569

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human CDC45

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name CDC45 (<u>HGNC:1739</u>)

Synonyms CDC45L, CDC45L2

Function Required for initiation of chromosomal DNA replication. Core component of

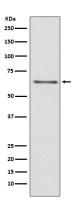
CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built.

Cellular Location Nucleus. Chromosome. Note=Associates with chromatin

Tissue Location Widely expressed, highest levels are found in adult testis and thymus and in

fetal liver

Images



Western blot analysis of CDC45 expression in Jurkat cell lysate.

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