

CDC45

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:20 - 1:200 IF 1:10 - 1:100 IP 1:20 - 1:50

FC 1:20 - 1:50

Calculated MW: 66kDa

Observed MW: Refer to figures

Immunogen:

A synthetic Peptide of human CDC45

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CDC45L; CDC45L2; PORC-PI-1;

Catalog #: A4212

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8318

Isotype: IgG

Swiss Prot: O75419

Purity: Affinity purification

For research use only.

Background:

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.

To place an order, please [Click HERE](#).