

Recombinant

DGRmAb®

MCM4 (DGR32916) Rabbit mAb

db12303

Package : 10µL 20µL 50µL 100µL

Product Name : MCM4 (DGR32916) Rabbit mAb**Cat.No.:** db12303**Synonyms** : NKCD; CDC21; CDC54; IMD54; NKGCD; hCdc21; P1-CDC21**Application** : WB, FC**Reactivity** : Human,Mouse**Host species** : Rabbit**Background**

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human MCM4

Gene ID

4173

Swiss Prot

P33991

Synonyms

NKCD; CDC21; CDC54; IMD54; NKGCD; hCdc21; P1-CDC21

Reactivity

Human,Mouse

Application

WB, FC

Recommended dilution

WB: 1:5000-1:50000

FC: 1:100-1:500

Calculated MW

97 kDa

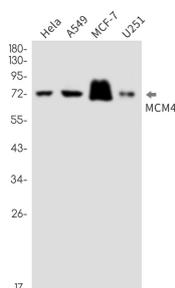
Observed MW

97 kDa

Host species

Rabbit

| | |
|--------------------------|---|
| Clonality | Monoclonal |
| Clonality No. | DGR32916 |
| Isotype | IgG |
| Purity | Affinity Purification |
| Conjugation | Un-conjugated |
| Storage Stability | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



Western blot detection of MCM4 in HeLa,A549,MCF-7,U251 cell lysates using MCM4 antibody(1:1000 diluted).