

MCM4 Polyclonal Antibody

Catalog number: 13043-1-AP

Size: 25 µg/150 µl

Source: Rabbit

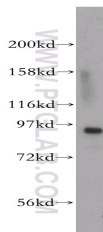
Isotype: IgG

Synonyms:

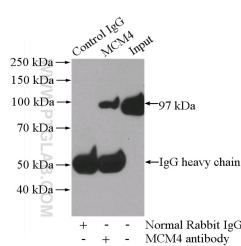
MCM4; CDC21, CDC21

homolog, CDC54, hCdc21,

MCM4, P1 CDC21



HeLa cells were subjected to SDS PAGE followed by western blot with 13043-1-AP (MCM4 antibody) at dilution of 1:600



IP Result of anti-MCM4 (IP:13043-1-AP, 4µg; Detection:13043-1-AP 1:600) with HEK-293 cells lysate 1200µg.

Background

DNA replication licensing factor MCM4 (MCM4), also named Cdc21, acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. This antibody is a rabbit polyclonal antibody raised against the C-terminal 350 aa sequence of MCM4 protein.

Applications

Tested applications:	ELISA, WB, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated MCM4 MW:	863aa, 97 kDa
Observed MCM4 MW:	97 kDa
Positive WB detected in	HeLa cells, HEK-293 cells, HL-60 cells, human liver tissue
Positive IP detected in	HEK-293 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3703
GenBank accession number:	BC031061
Gene ID (NCBI):	4173
Full name:	Minichromosome maintenance complex component 4

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.