

For Research Use Only

MCM4 Monoclonal antibody

Catalog Number: 67103-1-Ig **1 Publications**



Basic Information

Catalog Number: 67103-1-Ig	GenBank Accession Number: BC031061	Purification Method: Protein A purification
Size: 1900 µg/ml	GeneID (NCBI): 4173	CloneNo.: 2H2A1
Source: Mouse	UNIPROT ID: P33991	Recommended Dilutions: WB 1:5000-1:20000
Isotype: IgG2b	Full Name: minichromosome maintenance complex component 4	
Immunogen Catalog Number: AG28642	Calculated MW: 863 aa, 97 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, HSC-T6 cells, NIH/3T3 cells, HEK-293 cells, A431 cells, HL-60 cells, Jurkat cells
Species Specificity: Human, mouse, rat	
Cited Species: human, mouse	

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuwei Zhang	39290263	Heliyon	WB

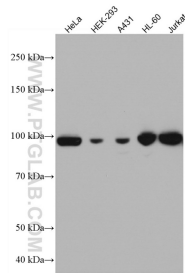
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67103-1-Ig (MCM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.