

For Research Use Only

MCM4 Monoclonal antibody

Catalog Number: 67103-1-Ig



Basic Information

Catalog Number: 67103-1-Ig	GenBank Accession Number: BC031061	Purification Method: Protein A purification
Size: 150ul , Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4173	CloneNo.: 2H2A1
Source: Mouse	Full Name: minichromosome maintenance complex component 4	Recommended Dilutions: WB 1:5000-1:20000
Isotype: IgG2b	Calculated MW: 863 aa, 97 kDa	
Immunogen Catalog Number: AG28642	Observed MW: 97 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : HeLa cells, HSC-T6 cells, NIH/3T3 cells, HEK-293 cells, A431 cells, HL-60 cells, Jurkat cells

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.

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.

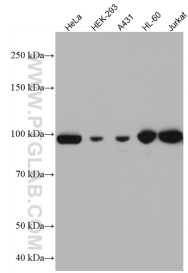
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.