

For Research Use Only

MCM4 Monoclonal antibody, PBS Only



Catalog Number: 67103-1-PBS

Basic Information

Catalog Number: 67103-1-PBS	GenBank Accession Number: BC031061	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4173	CloneNo.: 2H2A1
Source: Mouse	UNIPROT ID: P33991	
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, Indirect ELISA

Species Specificity:
Human, mouse, rat

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

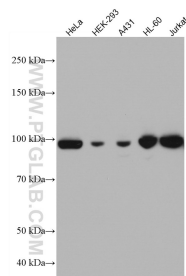
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 67103-1-PBS in a different storage buffer formulation.