

For Research Use Only

MCM4 Monoclonal antibody

Catalog Number: 67103-1-Ig



Basic Information

Catalog Number:

67103-1-Ig

Size:

1900 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28642

GenBank Accession Number:

BC031061

GeneID (NCBI):

4173

UNIPROT ID:

P33991

Full Name:

minichromosome maintenance
complex component 4

Calculated MW:

863 aa, 97 kDa

Observed MW:

97 kDa

Purification Method:

Protein A purification

CloneNo.:

2H2A1

Recommended Dilutions:

WB 1:5000-1:20000

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

For technical support and original validation data for this product please contact:

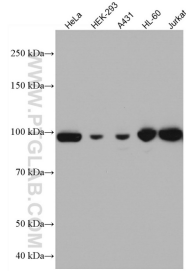
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.