

For Research Use Only

MCM3 Recombinant antibody

Catalog Number: 84792-5-RR



Basic Information

Catalog Number:

84792-5-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7966

GenBank Accession Number:

BC001626

GeneID (NCBI):

4172

UNIPROT ID:

P25205

Full Name:

minichromosome maintenance
complex component 3

Calculated MW:

91 kDa

Observed MW:

102-105 kDa

Purification Method:

Protein A purification

CloneNo.:

242103B9

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HeLa cells, K-562 cells, Raji cells, NIH/3T3 cells,
C6 cells

IHC : human colon cancer tissue,

Background Information

MCM3, also named as HCC5, P1-MCM3, p102, RLF subunit beta and RLFB, belongs to the MCM family. MCM3 is essential for the initiation of DNA replication and is involved in ensuring that DNA replication is initiated precisely once per cell cycle (PMID: 33093917). The overexpression of MCM3 is related to proliferation of tumor cells (PMID: 31186514).

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:

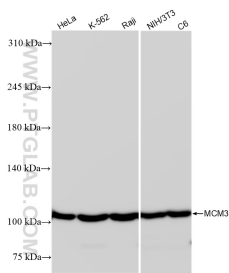
T: 4006900926

E: Proteintech-CN@ptglab.com

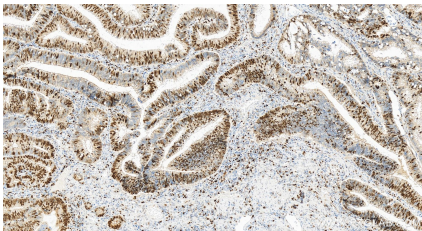
W: ptgcn.com

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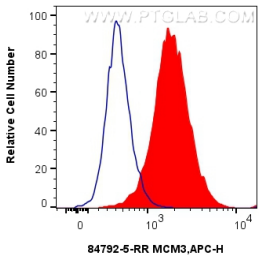
Selected Validation Data



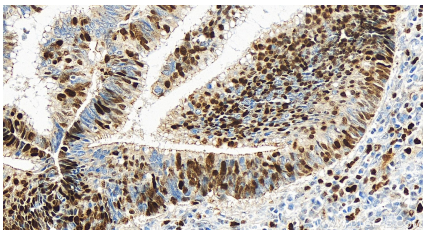
Various lysates were subjected to SDS PAGE followed by western blot with 84792-5-RR (MCM3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



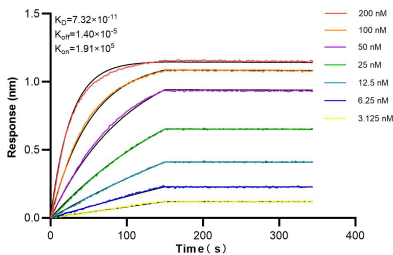
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84792-5-RR (MCM3 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 HeLa cells were intracellularly stained with 0.25 ug MCM3 Recombinant antibody (84792-5-RR, Clone:242103B9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 84792-5-RR (MCM3 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84792-5-RR against Human MCM3 were performed. The affinity constant is 73.2 pM.