

For Research Use Only

MCM3 Recombinant antibody

Catalog Number:84792-5-RR



Basic Information

Catalog Number: 84792-5-RR	GenBank Accession Number: BC001626	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 4172	CloneNo.: 242103B9
Source: Rabbit	UNIPROT ID: P25205	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:300-1:1200
Isotype: IgG	Full Name: minichromosome maintenance complex component 3	
Immunogen Catalog Number: AG7966	Calculated MW: 91 kDa	
	Observed MW: 102-105 kDa	

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 RLFβ, 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:

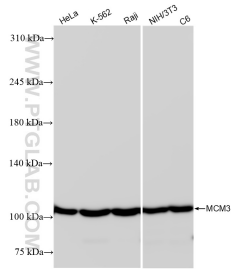
T: 4006900926

E: Proteintech-CN@ptglab.com

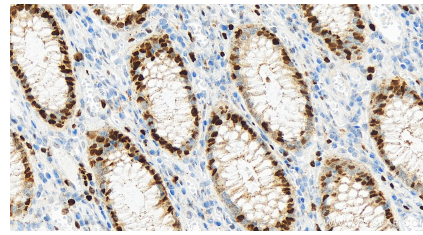
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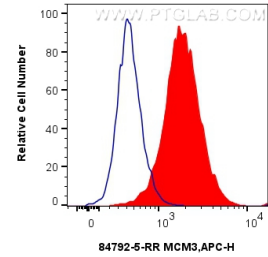
Selected Validation Data



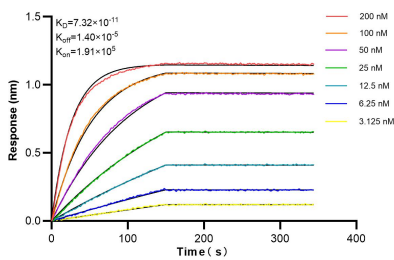
Various lysates were subjected to SDS PAGE followed by western blot with 84792-5-RR (MCM3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g MCM3 Recombinant antibody (84792-5-RR, Clone:242103B9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone:240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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