

For Research Use Only

# MCM5 Polyclonal antibody

Catalog Number: 11703-1-AP **17 Publications**



## Basic Information

**Catalog Number:**

11703-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2271

**GenBank Accession Number:**

BC000142

**GeneID (NCBI):**

4174

**UNIPROT ID:**

P33992

**Full Name:**

minichromosome maintenance complex component 5

**Calculated MW:**

82 kDa

**Observed MW:**

82-88 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, RIP, IHC, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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:** A375 cells, HeLa cells, Jurkat cells, mouse thymus tissue, rat thymus tissue

**IP:** Jurkat cells,

**IHC:** human lymphoma tissue,

**IF:** HeLa cells,

## Background Information

Minichromosome maintenance, *S. Cerevisiae*, homolog of 5(MCM5), one component of the complex of MCM2-7, which is the putative replicative essential for once per cell cycle DNA replication initiation and elongation in eukaryotic cells. The MCM complex form a hexameric ring through the interaction surfaces of two neighboring subunits.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi-Zhen Liu	29151950	J Cancer	IHC
Wenchao Zhao	36428700	Cancers (Basel)	IHC
Xiaonan Sheng	34162418	J Exp Clin Cancer Res	IF, WB

## 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:

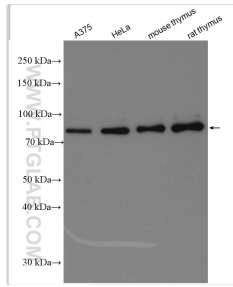
T: 4006900926

E: Proteintech-CN@ptglab.com

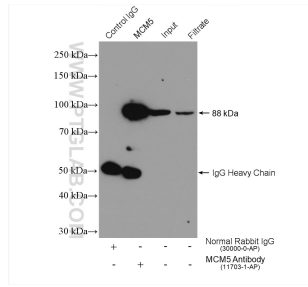
W: ptgcn.com

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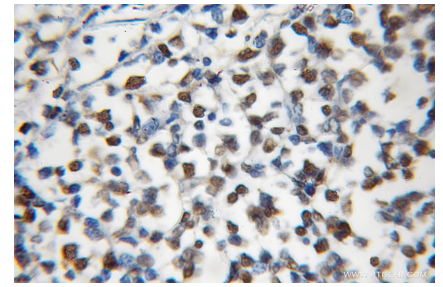
## Selected Validation Data



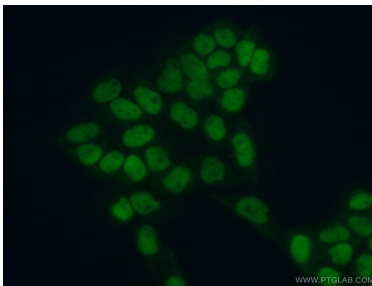
Various lysates were subjected to SDS PAGE followed by western blot with 11703-1-AP (MCM5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



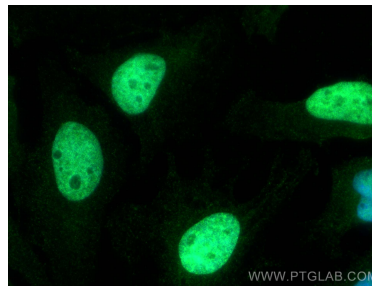
IP result of anti-MCM5 (IP:11703-1-AP, 4ug; Detection:11703-1-AP 1:4000) with Jurkat cells lysate 2400 ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11703-1-AP (MCM5 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 11703-1-AP (MCM5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MCM5 antibody (11703-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).