

## MCM5 Polyclonal antibody

Catalog Number: 11703-1-AP

20 Publications

## Basic Information

## Catalog Number:

11703-1-AP

## Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

## 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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:400-1:1600

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

## 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/ICC: 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

\*\*\* 20ul sizes contain 0.1% BSA

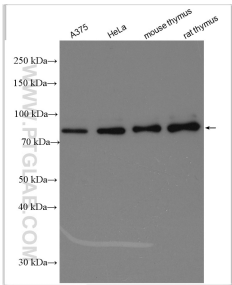
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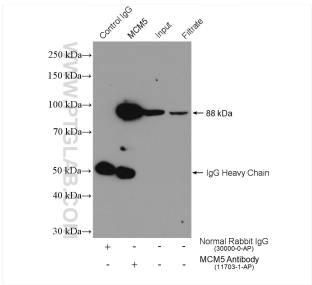
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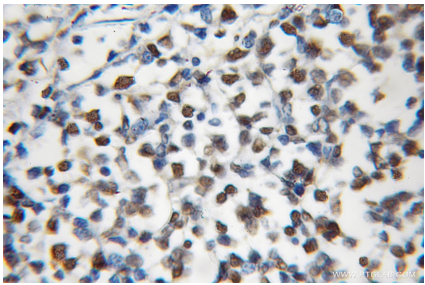
Selected Validation Data



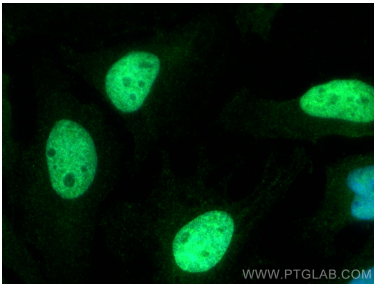
Various lysates were subjected to SDS PAGE followed by western blot with 11703-1-AP (MCM5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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 MCM5 antibody (11703-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).