

À des fins de recherche uniquement

Anticorps Monoclonal anti-MCM6

Numéro de catalogue: 67989-1-Ig **Phare**



Informations de base

Numéro de catalogue: 67989-1-Ig	Numéro d'acquisition GenBank: BC032374	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 4175	CloneNo.: 2E12H1
Hôte: Mouse	Nom complet: minichromosome maintenance complex component 6	Dilutions recommandées: WB 1:20000-1:100000 IHC 1:50-1:500 IF 1:2000-1:8000
Isotype: IgG1	MW calculé 821 aa, 93 kDa	
Immunogen Catalog Number: AG4354	MW observés: 105 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Spécificité de l'espèce:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A431, cellules COLO 320, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules MCF-7, cellules NIH/3T3, cellules PC-12

IHC : tissu de cancer du col de l'utérus humain,

IF : cellules HepG2,

Informations générales

The MCM genes were firstly identified in yeast defective in minichromosome maintenance and have since been shown to have roles in the progression of the cell cycle, and most of them are cell division control genes [PMID: 18096807]. MCM2-7 complex are suggested to be 'DNA licensing factors' which bind to the DNA after mitosis and enable DNA replication before being removed during S phase. Mini-chromosome maintenance 6 (MCM6) is one component of the MCM2-7 complex which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells [PMID: 9305914]. MCM6 single subunit forms homohexamers and contains an ATP-dependent and replication fork stimulated 3' to 5' DNA unwinding activity along with intrinsic DNA-dependent ATPase and ATP-binding activities [PMID: 21336027]. The calculated molecular weight of MCM6 is 92 kDa, but the modified MCM6 is about 105 kDa.

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

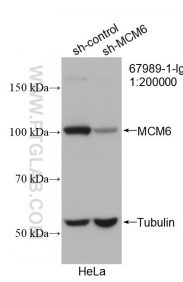
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

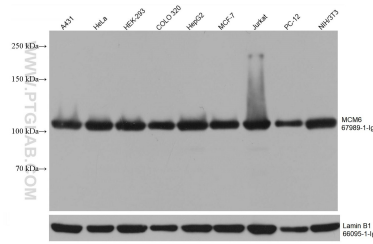
E: proteintech@ptglab.com
W: ptglab.com

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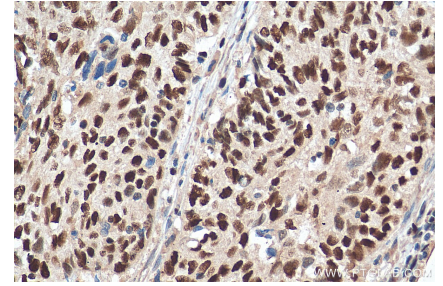
Données de validation sélectionnées



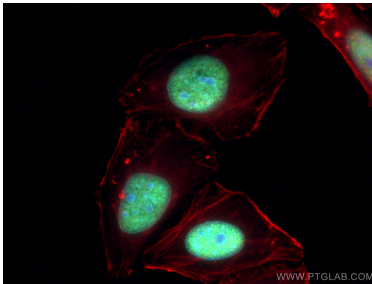
WB result of MCM6 antibody (67989-1-Ig; 1:200000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MCM6 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 67989-1-Ig (MCM6 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67989-1-Ig (MCM6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using MCM6 antibody (67989-1-Ig, Clone: 2E12H1) at dilution of 1:4000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).