

For Research Use Only

CoraLite® Plus 488-conjugated MCM7 Polyclonal antibody



Catalog Number: CL488-11225

Basic Information

Catalog Number: CL488-11225	GenBank Accession Number: BC013375	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4176	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: minichromosome maintenance complex component 7	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 81 kDa	
Immunogen Catalog Number: AG1730	Observed MW: 81 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : A431 cells,
Species Specificity: human, mouse, rat	

Background Information

MCM7, also named as CDC47 homolog or P1.1-MCM3, is a 719 amino acid protein, which belongs to the MCM family. MCM7 acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The MCM2-7 complex participates in the pre-replication complex formation and exhibits helicase activity which makes DNA unwind, and resulting in recruitment of DNA polymerases and initiation of DNA replication and elongation [PMID: 29463213]. An immunohistochemical study has shown that MCM7 is increased in HCC. Silencing of MCM7 with shRNA inhibits the malignant behavior of HCC cells via cell cycle arrest and apoptosis [PMID: 29463213].

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

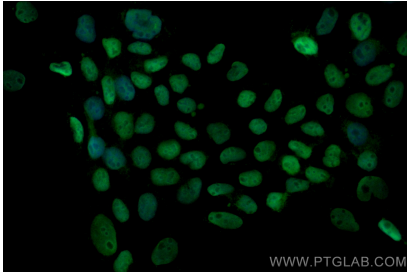
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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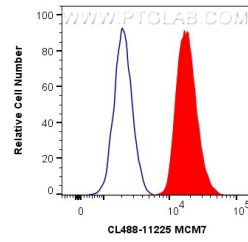
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoralLite® Plus 488 MCM7 antibody (CL488-11225) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoralLite® Plus 488 Anti-Human MCM7 (CL488-11225) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).