For Research Use Only

MCM10 Polyclonal antibody

Catalog Number:12251-1-AP 14 Publications

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Basic Information

Catalog Number:
12251-1-AP

Size:
350 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2899

GenBank Accession Number:
BC009108

GeneID (NCBI):
55388

UNIPROT ID:
Q7L590

Full Name:
minichromosome maintenance complex component 10

Calculated MW:
874 aa, 97 kDa

Observed MW:
97-105 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human

Positive Controls:

WB : Ramos cells,

Background Information

MCM10, also named as HsMCM10, belongs to the MCM10 family. It acts as a replication initiation factor that brings together the MCM2-7 helicase and the DNA polymerase alpha/primase complex in order to initiate DNA replication. Additionally, it plays a role in preventing DNA damage during replication and is essential for the integrity of the RECQ4-MCM replicative helicase complex. It mediates RECQ4 association with MCM2-7 helicase complex during DNA replication.

Notable Publications

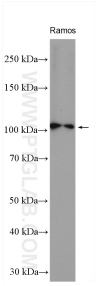
Author	Pubmed ID	Journal	Application
Xiaohua Xu	27587400	J Biol Chem	WB
Divya Achuthankutty	31615875	J Cell Biol	
Zhihua Kang	34645815	Nat Commun	WB

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

Selected Validation Data



Ramos cells were subjected to SDS PAGE followed by western blot with 12251-1-AP (MCM10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.