

For Research Use Only

MCM10 Polyclonal antibody

Catalog Number: 12251-1-AP

14 Publications



Basic Information

Catalog Number:

12251-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

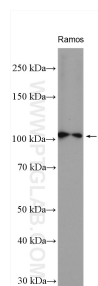
For technical support and original validation data for this product please contact:

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W: ptglab.com

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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.