

For Research Use Only

MDC1 Polyclonal antibody

Catalog Number: 22272-1-AP



Basic Information

Catalog Number:

22272-1-AP

Size:

150ul, Concentration: 430 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_014641

GeneID (NCBI):

9656

UNIPROT ID:

Q14676

Full Name:

mediator of DNA damage checkpoint

1

Calculated MW:

227 kDa

Observed MW:

~260 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HeLa cells

Background Information

MDC1, also named as KIAA0170 or NFB1, is a 2089 amino acid protein, which contains two BRCT domains and one FHA domain. MDC1 localizes in the nucleus and is highly expressed in testis. MDC1 is required for checkpoint mediated cell cycle arrest in response to DNA damage within both the S phase and G2/M phases of the cell cycle. MDC1 may serve as a scaffold for the recruitment of DNA repair and signal transduction proteins to discrete foci of DNA damage marked.

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

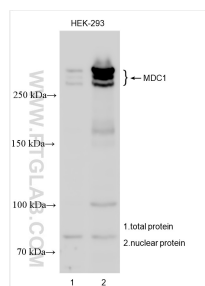
For technical support and original validation data for this product please contact:

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Selected Validation Data



Total HEK-293 cells and HEK-293 nuclear extract lysates were subjected to SDS PAGE followed by western blot with 22272-1-AP (MDC1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.