

For Research Use Only

PARP10 Recombinant antibody

Catalog Number: 86096-1-RR



Basic Information

Catalog Number:

86096-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23457

GenBank Accession Number:

BC136542

GeneID (NCBI):

84875

UNIPROT ID:

Q53GL7

Full Name:

poly (ADP-ribose) polymerase family, member 10

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

250454D4

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, MDA-MB-231 cells

Background Information

PARP10 (Poly(ADP-ribose) polymerase family member 10) is a mono-ADP-ribosyltransferase that belongs to the PARP family. It regulates a variety of cellular functions, including gene transcription, DNA repair, and cell cycle control, by catalyzing ADP-ribosylation reactions. PARP10 is distributed in both the nucleus and cytoplasm, participating in the cellular response to DNA damage. In particular, its expression level significantly increases in response to UV-induced DNA damage. Additionally, PARP10 plays a crucial role in the antiviral response, being highly upregulated by interferon (IFN) to inhibit the replication of certain viruses and block protein translation during viral replication. PARP10 is also involved in immune regulation, interacting with NEMO to block the NF-κB signaling pathway and the production of pro-inflammatory cytokines.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

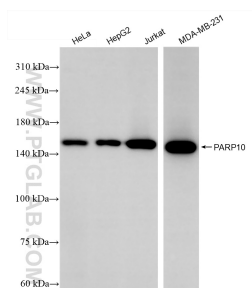
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86096-1-RR (PARP10 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.