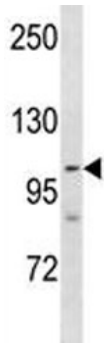


## PARP 1 Antibody (F47598)

| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F47598-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F47598-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Availability         | 1-3 business days                                        |
| Species Reactivity   | Human                                                    |
| Predicted Reactivity | Bovine                                                   |
| Format               | Antigen affinity purified                                |
| Clonality            | Polyclonal (rabbit origin)                               |
| Isotype              | Rabbit Ig                                                |
| Purity               | Antigen affinity                                         |
| UniProt              | P09874                                                   |
| Applications         | Western blot : 1:1000                                    |
| Limitations          | This PARP 1 antibody is available for research use only. |



PARP 1 antibody western blot analysis in NCI-H460 lysate.

## Description

Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Mediates the poly(ADP-

ribosyl)ation of APLF and CHFR. Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Required for PARP9 and DTX3L recruitment to DNA damage sites. PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites. [UniProt]

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PARP 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 590-618 from the human protein was used as the immunogen for this PARP 1 antibody.

## Storage

Aliquot the PARP 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.