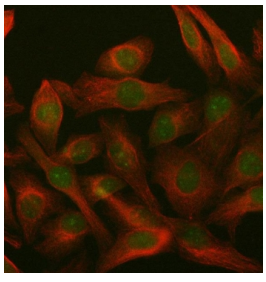
# PARP3 Antibody / ARTD3 (RQ8642)

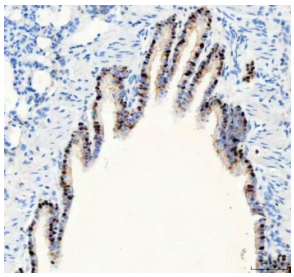
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8642 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

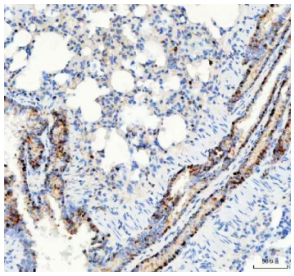
| | |
|---|---|
| **Availability** | 1-3 days |
| **Species Reactivity** | Human, Mouse, Rat, Monkey |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9Y6F1 |
| **Localization** | Nuclear, cytoplasmic |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Immunofluorescence: 5ug/ml<br>ELISA: 0.1-0.5ug/ml |
| **Limitations** | This PARP3 antibody is available for research use only. |



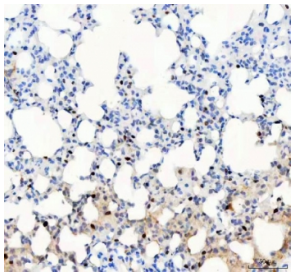
Immunofluorescent staining of FFPE human HeLa cells with PARP3 antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



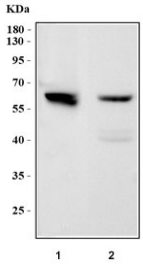
IHC staining of FFPE rat lung tissue with PARP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat lung tissue with PARP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse lung tissue with PARP3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of 1) monkey COS-7 and 2) mouse kidney tissue lysate with PARP3 antibody. Predicted molecular weight ~60 kDa.

## Description

Poly [ADP-ribose] polymerase 3 is an enzyme that in humans is encoded by the PARP3 gene. The protein encoded by this gene belongs to the PARP family. These enzymes modify nuclear proteins by poly-ADP-ribosylation, which is required for DNA repair, regulation of apoptosis, and maintenance of genomic stability. This gene encodes the poly(ADP-ribosyl)transferase 3, which is preferentially localized to the daughter centriole throughout the cell cycle. Alternatively spliced transcript variants encoding different isoforms have been identified.

## Application Notes

Optimal dilution of the PARP3 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids Q162-Q498) was used as the immunogen for the PARP3 antibody.

## Storage

After reconstitution, the PARP3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.