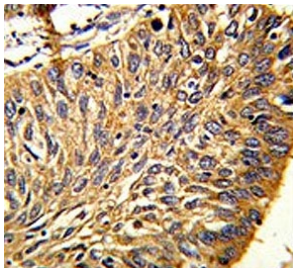


## PRDX3 Antibody / Peroxiredoxin 3 (F54798)

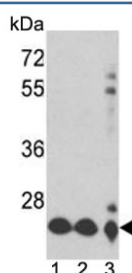
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F54798-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F54798-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

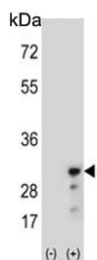
|                    |                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                               |
| Species Reactivity | Human                                                                                                                           |
| Format             | Purified                                                                                                                        |
| Clonality          | Polyclonal (rabbit origin)                                                                                                      |
| Isotype            | Rabbit Ig                                                                                                                       |
| Purity             | Purified                                                                                                                        |
| UniProt            | P30048                                                                                                                          |
| Localization       | Cytoplasmic                                                                                                                     |
| Applications       | Western Blot : 1:500-1:1000<br>Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells)<br>Immunohistochemistry (FFPE) : 1:50-1:100 |
| Limitations        | This PRDX3 antibody is available for research use only.                                                                         |



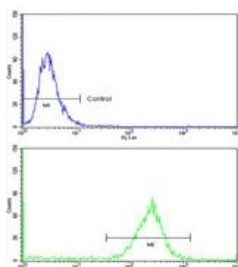
IHC testing of FFPE human lung carcinoma tissue with PRDX3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) NCI-H460, 2) MDA-MB-231 and 3) HepG2 cell lysate with PRDX3 antibody. Predicted molecular weight ~28 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with PRDX3 antibody.



Flow cytometry testing of human MDA-MB-468 cells with PRDX3 antibody; Blue=isotype control, Green= PRDX3 antibody.

## Description

PRDX3 is a protein with antioxidant function and is localized in the mitochondrion. This protein is involved in redox regulation of the cell and Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. It acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the PRDX3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 66-94 from the human protein was used as the immunogen for the PRDX3 antibody.

## Storage

Aliquot the PRDX3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.