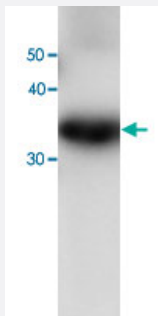


# PRDX6 monoclonal antibody, clone 36

Catalog # MAB9947

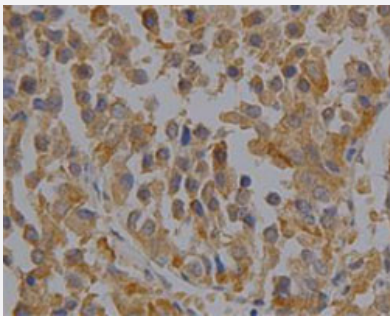
Size 100 ug

## Applications



### Western Blot (Recombinant protein)

Western blot analysis of recombinant PRDX6 protein with PRDX6 monoclonal antibody, clone 36 (Cat # MAB9947) at 1:1000 dilution.



### Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with PRDX6 monoclonal antibody, clone 36 (Cat # MAB9947) at 1:100 dilution.

## Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant PRDX6.
Immunogen	Recombinant protein corresponding to full length human PRDX6.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG1

<b>Recommend Usage</b>	Western blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

- Western Blot (Recombinant protein)

Western blot analysis of recombinant PRDX6 protein with PRDX6 monoclonal antibody, clone 36 (Cat # MAB9947) at 1:1000 dilution.

- Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with PRDX6 monoclonal antibody, clone 36 (Cat # MAB9947) at 1:100 dilution.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PRDX6

<b>Entrez GeneID</b>	<a href="#">9588</a>
<b>GeneBank Accession#</b>	<a href="#">NM_004905.2</a>
<b>Protein Accession#</b>	<a href="#">NP_004896.1</a>
<b>Gene Name</b>	PRDX6
<b>Gene Alias</b>	1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29
<b>Gene Description</b>	peroxiredoxin 6
<b>Omim ID</b>	<a href="#">602316</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H<sub>2</sub>O<sub>2</sub> and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq]

**Other Designations**

1-Cys peroxiredoxin|OTTHUMP00000032693|acidic calcium-independent phospholipase A2|antioxidant protein 2|non-selenium glutathione peroxidase

**Pathway**

- [Biosynthesis of phenylpropanoids](#)
- [Metabolic pathways](#)
- [Methane metabolism](#)
- [Phenylalanine metabolism](#)
- [Phenylpropanoid biosynthesis](#)
- [Tropane](#)

**Disease**

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)