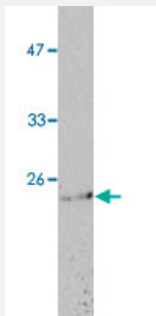


PRDX6 monoclonal antibody, clone 52

Catalog # MAB9948

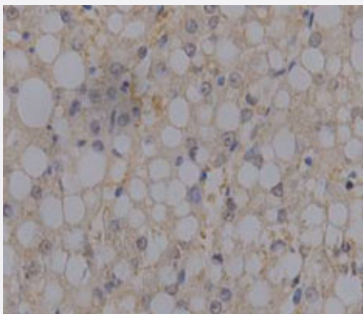
Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa whole cell lysate with PRDX6 monoclonal antibody, clone 52 (Cat # MAB9948) at 1:1000 dilution.



Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with PRDX6 monoclonal antibody, clone 52 (Cat # MAB9948) 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 |

| | |
|----------------------------|--|
| Recommend Usage | Western blot (1:1000) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300) |
| Storage Instruction | 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 analysis of HeLa whole cell lysate with PRDX6 monoclonal antibody, clone 52 (Cat # MAB9948) at 1:1000 dilution.

- Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with PRDX6 monoclonal antibody, clone 52 (Cat # MAB9948) at 1:100 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PRDX6

| | |
|----------------------------|--|
| Entrez GeneID | 9588 |
| GeneBank Accession# | NM_004905.2 |
| Protein Accession# | NP_004896.1 |
| Gene Name | PRDX6 |
| Gene Alias | 1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29 |
| Gene Description | peroxiredoxin 6 |
| Omim ID | 602316 |
| Gene Ontology | Hyperlink |
| 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 ₂ O ₂ 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](#)