

## Rabbit PRX I Polyclonal Antibody | anti-PRXI antibody

PRX I Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA296291</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

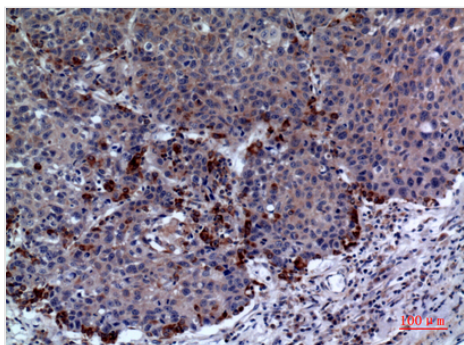
### PRODUCT SYNONYMS

PRX I; Polyclonal Antibody; PRX I Polyclonal Antibody; PRDX1; PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A; NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2; anti-PRXI antibody

### PRODUCT SPECIFICATIONS

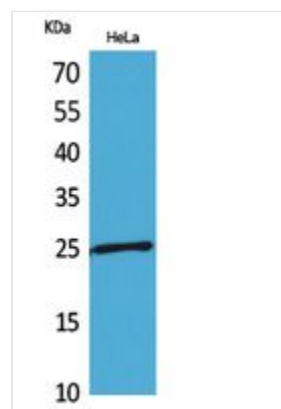
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-PRXI antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



IHC (Immunohistochemistry)

Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-PRXI antibody

Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H<sub>2</sub>O<sub>2</sub> (PubMed:9497357). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).

### NCBI AND UNIPROT INFORMATION

|           |        |
|-----------|--------|
| NCBI GI # | 548453 |
|-----------|--------|

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 5052                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q06830; P35703; Q2V576; Q5T154; Q5T155; B5BU26; D3DPZ8                                                                                                                                                                                   |
| Molecular Weight                 | 199                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | Peroxiredoxin-1                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | peroxiredoxin 1                                                                                                                                                                                                                          |
| NCBI Official Symbol             | PRDX1                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A                                                                                                                                                                                 |
| NCBI Protein Information         | peroxiredoxin-1; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2 |
| UniProt Protein Name             | Peroxiredoxin-1                                                                                                                                                                                                                          |
| UniProt Gene Name                | <b>PRDX1</b>                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | PAGA; PAGB; TDPX2; NKEF-A; PAG                                                                                                                                                                                                           |
| UniProt Entry Name               | PRDX1_HUMAN                                                                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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