

Peroxiredoxin 1 Rabbit mAb

Catalog # AP76650

Product Information

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|--------------------------|------------------------|
| Application | WB, IP, ICC |
| Primary Accession | Q06830 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 22110 |

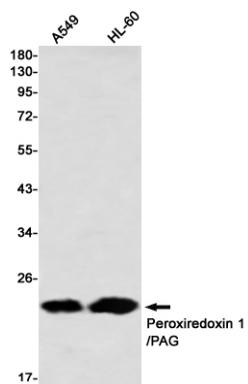
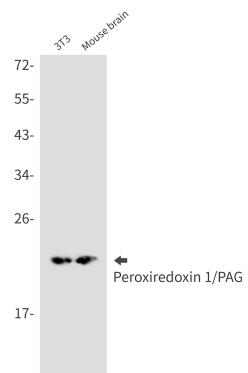
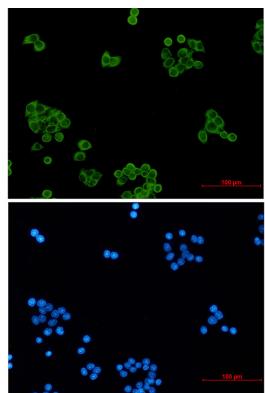
Additional Information

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|--------------------|--|
| Gene ID | 5052 |
| Other Names | PRDX1 |
| Dilution | WB~~1/500-1/1000 IP~~1/20 ICC~~N/A |
| Format | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

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|--------------------------|--|
| Name | PRDX1 |
| Synonyms | PAGA, PAGB, TDPX2 |
| Function | 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 ₂ O ₂ (PubMed: 9497357). Reduces an intramolecular disulfide bond in GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation (By similarity). |
| Cellular Location | Cytoplasm. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV |

Images



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