

# Peroxioredoxin 1 Rabbit mAb

Catalog # AP76650

## Product Information

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<b>Application</b>	WB, IP, ICC
<b>Primary Accession</b>	<a href="#">Q06830</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	22110

## Additional Information

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<b>Gene ID</b>	5052
<b>Other Names</b>	PRDX1
<b>Dilution</b>	WB~~1/500-1/1000 IP~~1/20 ICC~~N/A
<b>Format</b>	Liquid

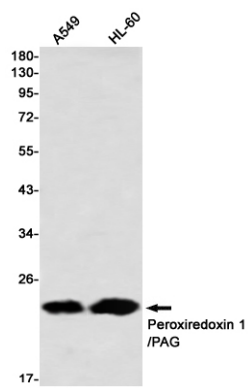
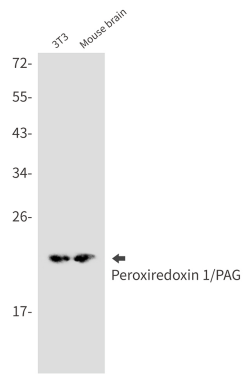
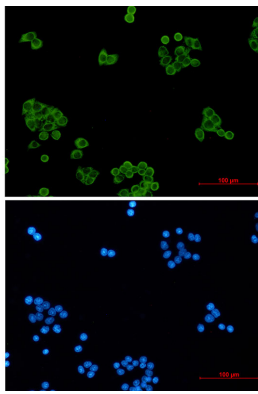
## Protein Information

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<b>Name</b>	PRDX1
<b>Synonyms</b>	PAGA, PAGB, TDPX2
<b>Function</b>	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: <a href="#">9497357</a> ). Reduces an intramolecular disulfide bond in GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation (By similarity).
<b>Cellular Location</b>	Cytoplasm. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

## Images

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