

# Anti-PRDX4 / Peroxiredoxin 4 Antibody (clone 2C12)

Mouse Anti Human Monoclonal Antibody  
Catalog # ALS17704

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q13162</a>
<b>Predicted</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG3,k
<b>Clone Names</b>	2C12
<b>Calculated MW</b>	30540
<b>Concentration (mg/ml)</b>	0.2 mg/ml

## Additional Information

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<b>Gene ID</b>	10549
<b>Alias Symbol</b>	PRDX4
<b>Other Names</b>	PRDX4, Antioxidant enzyme AOE372, AOE37-2, Peroxiredoxin IV, Prx-IV, Thioredoxin peroxidase AO372, Peroxiredoxin-4, PRX-4, Peroxiredoxin 4
<b>Target/Specificity</b>	Human Peroxiredoxin 4
<b>Reconstitution &amp; Storage</b>	Protein A purified
<b>Precautions</b>	Anti-PRDX4 / Peroxiredoxin 4 Antibody (clone 2C12) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PRDX4
<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. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
<b>Cellular Location</b>	Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein is cytoplasmic.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.