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

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17704

Product Information

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

Additional Information

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

Protein Information

Name	PRDX4
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. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
Cellular Location	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'.