

Anti-PRDX4 / Peroxiredoxin 4 Antibody (clone 2C12)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17704

Specification

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

Application	WB, IHC-P, E
Primary Accession	Q13162
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Calculated MW	30540

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

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

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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