

Anti-Peroxiredoxin 3 Antibody

| Catalog # | Source | Reactivity | Applications |
|--------------------------|---|-------------|---------------|
| CPA2520 | Rabbit | H, M, R, Mk | WB, IH, IF/IC |
| Description | Rabbit polyclonal antibody to Peroxiredoxin 3 | | |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Peroxiredoxin 3. The exact sequence is proprietary. | | |
| Purification | The antibody was purified by immunogen affinity chromatography. | | |
| Specificity | Recognizes endogenous levels of Peroxiredoxin 3 protein. | | |
| Clonality | Polyclonal | | |
| Conjugation | | | |
| Form | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | |
| Dilution | WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) | | |
| Gene Symbol | PRDX3 | | |
| Alternative Names | AOP1; Thioredoxin-dependent peroxide reductase mitochondrial; Antioxidant protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III; Peroxiredoxin-3; Protein MER5 homolog | | |
| Entrez Gene | 10935 (Human); 11757 (Mouse); 64371 (Rat) | | |
| SwissProt | P30048 (Human); P20108 (Mouse); Q9Z0V6 (Rat) | | |
| Storage/Stability | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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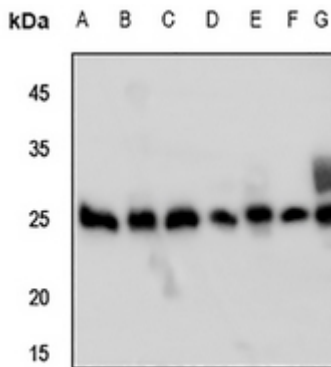
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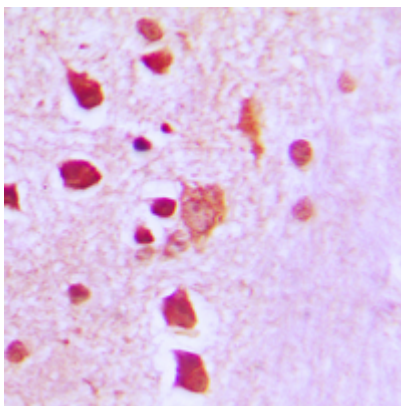
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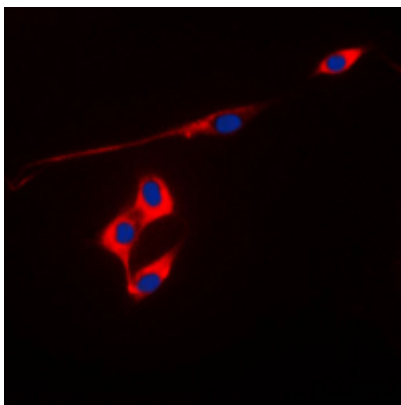
Product Data Sheet



Western blot analysis of Peroxiredoxin 3 expression in HEK293T (A), HeLa (B), H446 (C), mouse lung (D), mouse liver (E), rat lung (F), rat liver (G) whole cell lysates. (Predicted band size: 27; 25 kD; Observed band size: 27; 25 kD)



Immunohistochemical analysis of Peroxiredoxin 3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Peroxiredoxin 3 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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