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Product Data Sheet

Anti-Peroxiredoxin 1 Antibody

Catalog #	Source	Reactivity	Applications
CPA9206	Mouse	H, M, R	WB, IF/IC

Description	Mouse monoclonal antibody to Peroxiredoxin 1
Immunogen	Recombinant protein corresponding to human Peroxiredoxin 1.
Purification	
Specificity	Recognizes endogenous levels of Peroxiredoxin 1 protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/1000 - 1/3000), IF/IC (1/100 - 1/200)
Gene Symbol	PRDX1
Alternative Names	PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A; NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2
Entrez Gene	5052 (Human); 18477 (Mouse); 117254 (Rat)
SwissProt	Q06830 (Human); P35700 (Mouse); Q63716 (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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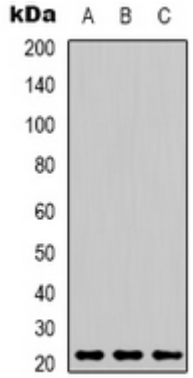
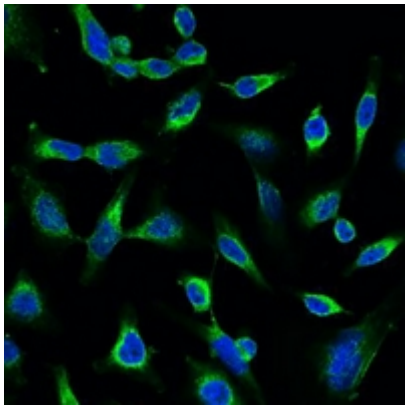


Western blot analysis of Peroxiredoxin 1 expression in MCF7 (A), mouse brain (B), rat kidney (C) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 21 kD)



Immunofluorescent analysis of Peroxiredoxin 1 staining in Hela 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 hidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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