

# Product Data Sheet

## Anti-Glutathione Peroxidase Antibody

| Catalog #                | Source                                                                                                                                                | Reactivity | Applications |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| CPA5298                  | Rabbit                                                                                                                                                | H, M, R, B | WB           |
| <b>Description</b>       | Rabbit polyclonal antibody to Glutathione Peroxidase                                                                                                  |            |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Glutathione Peroxidase. The exact sequence is proprietary. |            |              |
| <b>Purification</b>      | The antibody was purified by affinity chromatography.                                                                                                 |            |              |
| <b>Specificity</b>       | Recognizes endogenous levels of Glutathione Peroxidase protein.                                                                                       |            |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                            |            |              |
| <b>Conjugation</b>       |                                                                                                                                                       |            |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                             |            |              |
| <b>Dilution</b>          | WB (1/500 - 1/2000)                                                                                                                                   |            |              |
| <b>Gene Symbol</b>       | GPX1                                                                                                                                                  |            |              |
| <b>Alternative Names</b> | Glutathione peroxidase 1; GPx-1; GSHPx-1; Cellular glutathione peroxidase                                                                             |            |              |
| <b>Entrez Gene</b>       | 2876 (Human); 14775 (Mouse); 24404 (Rat)                                                                                                              |            |              |
| <b>SwissProt</b>         | P07203 (Human); P11352 (Mouse); P04041 (Rat)                                                                                                          |            |              |
| <b>Storage/Stability</b> | 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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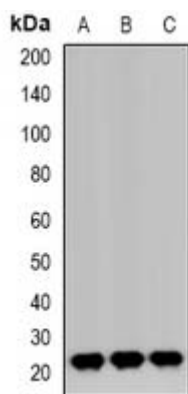
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Western blot analysis of Glutathione Peroxidase expression in THP1 (A), mouse liver (B), rat liver (C) whole cell lysates.

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