

Datasheet: AHP1570

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|----------------------|--|
| Description: | GOAT ANTI HUMAN GLUTATHIONE PEROXIDASE 1 |
| Specificity: | GLUTATHIONE PEROXIDASE 1 |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ■ | |
| Immunohistology - Frozen | | | ■ | |
| Immunohistology - Paraffin | | | ■ | |
| ELISA | ■ | | | 1/32000 |
| Immunoprecipitation | | | ■ | |
| Western Blotting | ■ | | | 1.0 - 3.0ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Antiserum Preparation | Antiserum to human GPX1 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. |
| Buffer Solution | TRIS buffered saline |
| Preservative | 0.02% Sodium Azide (NaN ₃) |
| Stabilisers | 0.5% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.5mg/ml |
| Immunogen | Peptide sequence C-REALPAPSDDATA corresponding to the internal region of glutathione peroxidase 1 (NP_000572.2). |

External Database Links

UniProt:

[P07203](#)

[Related reagents](#)

Entrez Gene:[2876](#) GPX1 [Related reagents](#)

Specificity **Goat anti Human glutathione peroxidase 1 antibody** recognizes isoform 1 of human glutathione peroxidase 1 (GPX1), a ~22 kDa ubiquitously expressed selenium-dependent antioxidant enzyme and member of the glutathione peroxidase family, which catalyzes the glutathione-mediated reduction of toxic peroxides, protecting against oxidative damage and free radicals.

Genetic polymorphisms resulting in variants of GPX1 have been linked with various cancers, including lung cancer, bladder cancer, and a significantly increased risk of developing breast cancer.

Western Blotting AHP1570 detects a band of approximately 22kDa in human liver and kidney cell lysates.

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10057 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10057.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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