

Product datasheet for **DP1004P**

Growth Hormone (GH1) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA |
| Recommended Dilution: | ELISA. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant Human GH purified by HPLC. |
| Specificity: | The antibody recognizes Human Growth Hormone. |
| Formulation: | 0.01M PBS, pH 7.4 State: Aff - Purified State: Lyophilized purified Ig fraction (98% pure by SDS-PAGE) |
| Reconstitution Method: | Restore with double distilled water to the concentration of 1.0 mg/ml. |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | Unconjugated |
| Storage: | Prior to and following reconstitution store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | growth hormone 1 |
| Database Link: | Entrez Gene 2688 Human P01241 |



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Background:

Human growth hormone (hGH) plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. The effects of hGH in the body can be generally described as anabolic. It stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Growth Hormone (GH1) is synthesized by acidophilic or somatotrophic cells of the anterior pituitary gland. Genes for growth hormone (GH) are found in a gene cluster on 17q, which consists of two growth hormone genes and three CSH genes. The GHN1 gene is transcribed exclusively in the pituitary, whereas the other 4 genes are expressed only in placental tissues. Several isoforms of GH1 exist.

Human growth hormone (hGH) is also used as a reporter protein, because it is secreted from mammalian cells it can be assayed by ELISA on culture supernatant using antibodies to determine the level of expression

Synonyms:

Pituitary growth hormone, Growth hormone 1, HGH