

GH1 polyclonal antibody

Catalog: BCP00818

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Pituitary growth hormone (GH), also designated somatotropin, plays a crucial role in stimulating and controlling the growth, metabolism and differentiation of many mammalian cell types by modulating the synthesis of multiple mRNA species. These effects are mediated by the binding of GH to its membrane-bound receptor, GHR, and involve a phosphorylation cascade that results in the modulation of numerous signaling pathways. GH is secreted in a pulsatile pattern which is tightly controlled by the interplay of GH-releasing hormone (GHRH) and somatostatin (SRIF). GHRH and SRIF are the primary hypothalamic factors that determine GH secretion from the somatotroph and regulate GH synthesis and secretory reserve. GH output is also highly sensitive to feedback control by GH itself, as well as by insulin-like growth factor I. GH is synthesized by acidophilic or somatotrophic cells of the anterior pituitary gland. Human growth hormone contains 191 amino acid residues with two disulfide bridges.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 26 kDa

Swiss-Prot:

P01241

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 96% (by SDS-PAGE).

Applications:

WB: 1:2000~1:5000

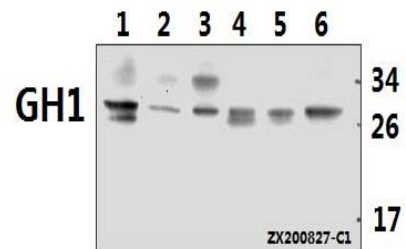
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

GH1 polyclonal antibody detects endogenous levels of GH1 protein.

DATA:



Western blot (WB) analysis of GH1 polyclonal antibody at 1:2000 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:3T3-L1 whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:The Brain tissue lysate of Rat(40ug)

Lane5:The Brain tissue lysate of Mouse(40ug)

Lane6:U-87MG whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.