

GHBP Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11211**Specification**

GHBP Antibody - Product Information

Application	WB
Primary Accession	P10912
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71500

GHBP Antibody - Additional Information**Gene ID** 2690

Positive Control	Western Blot: Recombinant protein
Application & Usage	Western blot: 1-4 µg/ml.
Other Names	
GHR, GHBP, GH receptor, Growth hormone binding protein, Somatotropin receptor	

Target/Specificity

GHBP

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg or 30 µg (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

GHBP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GHBP Antibody - Protein Information

Name GHR**Function**

Receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to the JAK2/STAT5 pathway (By similarity). Isoform 2 up-regulates the production of GHBP and acts as a negative inhibitor of GH signaling.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=On growth hormone binding, GHR is ubiquitinated, internalized, down-regulated and transported into a degradative or non- degradative pathway. [Growth hormone-binding protein]: Secreted. Note=Complexed to a substantial fraction of circulating GH

Tissue Location

Expressed in various tissues with high expression in liver and skeletal muscle. Isoform 4 is predominantly expressed in kidney, bladder, adrenal gland and brain stem. Isoform 1 expression in placenta is predominant in chorion and decidua. Isoform 4 is highly expressed in placental villi. Isoform 2 is expressed in lung, stomach and muscle. Low levels in liver

GHBP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GHBP Antibody - Images**GHBP Antibody - Background**

GHBP is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. A common alternate allele of this gene, called GHRd3, lacks exon three and has been well-characterized. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. Human Recombinant GHBP expressed from E. coli is a single, non-glycosylated, polypeptide chain containing 237 amino acids and having a molecular mass of 30.3 kDa.