

Growth hormone receptor Antibody
Rabbit mAb
Catalog # AP91413**Specification**

Growth hormone receptor Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P10912
Reactivity	Rat
Clonality	Monoclonal
Other Names	
GH-binding protein; GHBP; GHR; Serum binding protein; Somatotropin receptor;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	71500 Da

Growth hormone receptor Antibody - Additional Information

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Growth hormone receptor
Description	Receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to the JAK2/STAT5 pathway. The soluble form (GHBP) acts as a reservoir of growth hormone in plasma and may be a modulator/inhibitor of GH signaling. Isoform 2 up-regulates the production of GHBP and acts as a negative inhibitor of GH signaling.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Growth hormone receptor Antibody - Protein Information**Name** GHR**Function**

Receptor for pituitary gland growth hormone (GH1) involved in regulating postnatal body growth (PubMed:1549776,
PubMed:2825030,

PubMed:8943276). On ligand binding, couples to the JAK2/STAT5 pathway (PubMed:1549776, PubMed:15690087, PubMed:2825030, PubMed:8943276).

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 {ECO:0000250|UniProtKB:P19941} [Growth hormone-binding protein]: Secreted. Note=Complexed to a substantial fraction of circulating GH.

Tissue Location

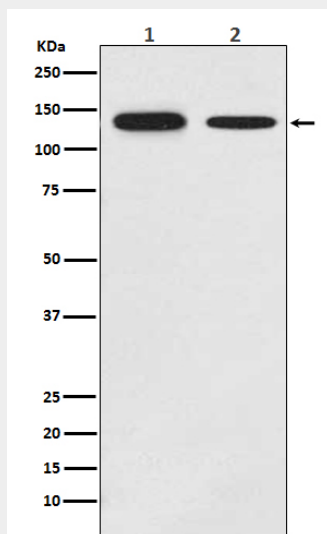
Expressed in various tissues with high expression in liver and skeletal muscle. [Isoform 4]: Predominantly expressed in kidney, bladder, adrenal gland and brain stem (PubMed:1569971). Highly expressed in placental villi (PubMed:1569971, PubMed:8360189)

Growth hormone receptor 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](#)

Growth hormone receptor Antibody - Images



Western blot analysis of Growth hormone receptor expression in (1) MCF-7 cell lysate; (2) Mouse brain lysate.