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Growth hormone receptor Antibody

Rabbit mAb
Catalog # AP91413

Product Information

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

Additional Information

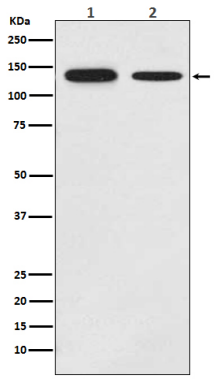
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Growth hormone receptor
Description	Receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to the JAK2/STAT5 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.

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)

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.