

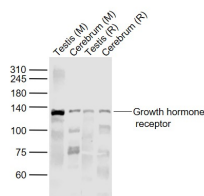
bs-0654R**[Primary Antibody]****BioSS**
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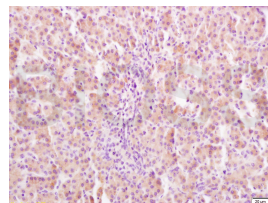
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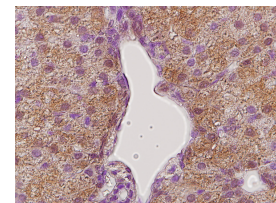
400-901-9800

Growth hormone receptor Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2690**SWISS:** P10912**Target:** Growth hormone receptor**Immunogen:** KLH conjugated synthetic peptide derived from human GHR: 101-200/451. < Cytoplasmic >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** This gene encodes a member of the type I cytokine receptor family, which 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. 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. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011].**Applications:** **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Sheep, Cow, Chicken, Dog)**Predicted MW.:** 68 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

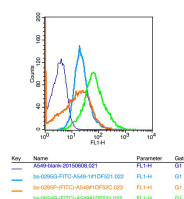
Sample: Lane 1: Testis (Mouse) Lysate at 40 ug
 Lane 2: Cerebrum (Mouse) Lysate at 40 ug
 Lane 3: Testis (Rat) Lysate at 40 ug
 Lane 4: Cerebrum (Rat) Lysate at 40 ug
 Primary: Anti-Growth hormone receptor (bs-0654R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 130/110 kD
 Observed band size: 130 kD



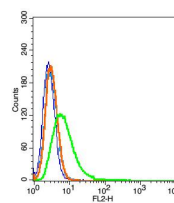
Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GHR Polyclonal Antibody, Unconjugated(bs-0654R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



This image was generously provided by Brandon Menzies, PhD, from The University of Melbourne. Paraffin embedded tammar wallaby (Macropus eugenii) liver labeled with Rabbit Anti-GHR Polyclonal Antibody, Unconjugated (bs-0654R) at 1:300 followed by conjugation to a secondary antibody and staining.



Positive control: A549 cells Concentration:



Blank control: A549(blue), the cells were fixed

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

1 μ g/10⁶ cells Incubation conditions: Avoid light
, 30 minutes on the ice.

with 2% paraformaldehyde (10 min) . Isotype
Control Antibody: Rabbit IgG(orange) ;
Secondary Antibody: Goat anti-rabbit IgG-
FITC(white blue), Dilution: 1:100 in 1 X PBS
containing 0.5% BSA ; Primary Antibody Dilution:
5 μ l in 100 μ L1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=8.4]** Hu Bowen. et al. Local GHR roles in regulation of mitochondrial function through mitochondrial biogenesis during myoblast differentiation. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 WB ;Chicken. 37337300
- **[IF=5.738]** Ahmed O. Kaseb. et al. Blockade of growth hormone receptor signaling by using pegvisomant: A functional therapeutic strategy in hepatocellular carcinoma.. FRONT ONCOL. 2022 Oct;12:986305-986305 IHC,IF ;Mouse, Human. 36276070
- **[IF=4.9]** Emily Davis. et al. Growth Hormone Signaling in Bladder Cancer: Transcriptomic Profiling of Patient Samples and In Vitro Evidence of Therapy Resistance via ABC Transporters and EMT Activation. INT J MOL SCI. 2025 Jan;26(15):7113 WB ;Mouse,Human. 40806252
- **[IF=4.24]** Hetz, Jennifer A., et al. "Growth axis maturation is linked to nutrition, growth and developmental rate." Molecular and Cellular Endocrinology (2015). WB ;. 25896544
- **[IF=4.12]** Cui et al. Generation of a miniature pig disease model for human Laron syndrome. (2015) Sci.Rep. 5:15603 WB ;Porcine. 26511035