

**bsm-54199R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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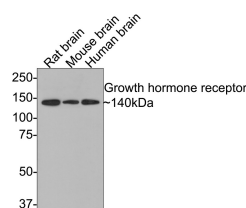
sales@bioss.com.cn

techsupport@bioss.com.cn

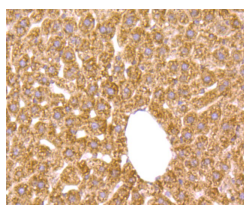
400-901-9800

**Growth hormone receptor Recombinant Rabbit mAb****— DATASHEET —**

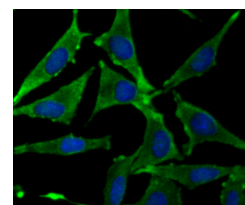
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500)
<b>Clonality:</b> Recombinant		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 2690	<b>SWISS:</b> P10912	<b>IHC-F</b> (1:400-800)
<b>Target:</b> Growth hormone receptor		<b>IF</b> (1:100-500)
<b>Purification:</b> affinity purified by Protein A		<b>ICC/IF</b> (1:50-200)
<b>Concentration:</b> 1mg/ml		<b>Reactivity:</b> Human, Mouse (predicted: Rat)
<b>Storage:</b> 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.		<b>Predicted MW.:</b> 68 kDa
<b>Background:</b> 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].		<b>Subcellular Location:</b> Cell membrane

**— VALIDATION IMAGES —**

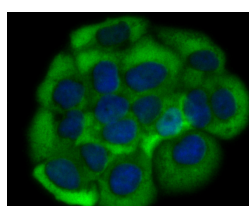
Western blot analysis of Growth hormone receptor on different lysates with Rabbit anti-Growth hormone receptor antibody (bsm-54199R) at 1/500 dilution. Lane 1: Rat brain tissue lysate Lane 2: Mouse brain tissue lysate Lane 3: Human brain tissue lysate



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Growth hormone receptor antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (bsm-54199R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



ICC staining of Growth hormone receptor in SH-SY5Y cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (bsm-54199R, 1/200) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).



ICC staining of Growth hormone receptor in JAR

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