

bs-11794R**[Primary Antibody]****GHRHR Rabbit pAb****BioSS**
ANTIBODIES

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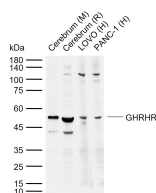
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 2692 Target: GHRHR Immunogen: KLH conjugated synthetic peptide derived from human GHRHR: 101-200/423. < Extracellular > 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: GHRH-R is a seven transmembrane domain protein that localizes to the somatotroph of the pituitary. GHRH-R plays an important role in growth and acts as a high-affinity receptor for GHRH. Binding of GHRH leads to the coupling of GHRH-R to G-protein which stimulates increased adenylyl cyclase activity and the accumulation of cAMP leading to the synthesis and release of growth hormone and somatotroph proliferation. In addition, this signalling pathway may have direct action in fetal/placental development, reproduction and immune function. GHRH and GHRH-R may also play a role in the regulation of non-rapid eye movement sleep (NREMS). The expression of GHRH-R is dependent on the presence of the POU domain factor Pit-1. Mutations in the gene encoding this protein can result in isolated growth hormone deficiency (IGHD), also known as Dwarfism of Sindh, and anterior pituitary hypoplasia (APH).	Isotype: IgG SWISS: Q02643 Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat (predicted: Dog, Horse) Predicted MW.: 45 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebrum tissue lysates
 Lane 2: Rat Cerebrum tissue lysates Lane 3:
 Human LOVO cell lysates Lane 4: Human PANC-1
 cell lysates Primary: Anti-GHRHR (bs-11794R) at
 1/1000 dilution Secondary: IRDye800CW Goat
 Anti-Rabbit IgG at 1/20000 dilution Predicted
 band size: 45 kDa Observed band size: 50 kDa