



Rabbit polyclonal antibody to human Growth Hormone receptor (101-117): Affinity purified

Catalogue No.:	R-1112-100
Description:	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Growth Hormone receptor (GRH) is a single-pass type I membrane protein and a receptor for pituitary gland growth hormone. The binding of growth hormone to the receptor leads to the dimerization of the receptor and the activation of signal transduction pathways leading to growth. At least 4 isoforms are produced by alternative splicing.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (CPDYVSAGENSCYFNSS) corresponding to a region (101-117) from human Growth Hormone receptor. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	GHR; GH receptor; Somatotropin receptor;
Accession:	P10912 GHR_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.75 ug/mL is recommended for WB. Human Growth Hormone receptor (isoform GHRfl) has a predicted length of 638 residues and MW of 72 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY