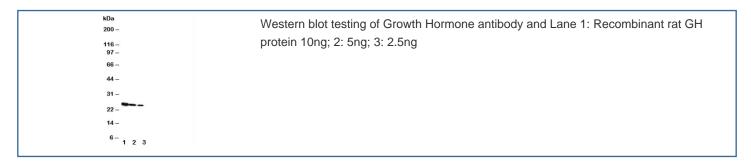


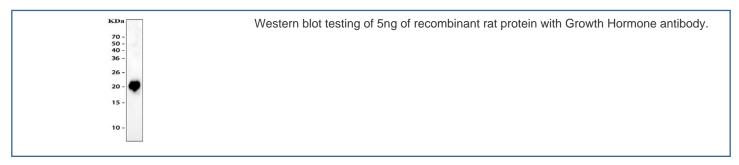
# **Growth Hormone Antibody (R30109)**

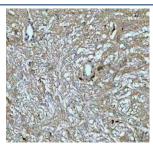
Catalog No.	Formulation	Size
R30109	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 0.025% sodium azide
UniProt	P01244
Applications	Western Blot (recombinant Protein): 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml ELISA: 0.1-0.5ug/ml (rat protein tested)
Limitations	This Growth Hormone antibody is available for research use only.







IHC staining of FFPE rat brain tissue with Growth Hormone antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

### **Description**

Growth Hormone (GH) is mapped to 17q22-q24. Human growth hormone has a molecular mass of 22,005 and contains 191 amino acid residues with 2 disulfide bridges. Rat GH shares 98% amino acid sequence homology with mouse. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, GH acts as an antagonist because of a large difference in affinities at the respective binding sites.

# **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the Growth Hormone antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

Rat partial recombinant protein (AA 27-216) was used as the immunogen for this Growth Hormone antibody.

## **Storage**

After reconstitution, the Growth Hormone antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.