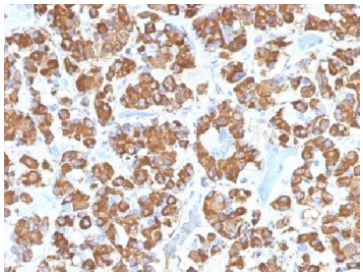
GH Antibody (pituitary) / Growth Hormone [clone GH/1450] (V3381)

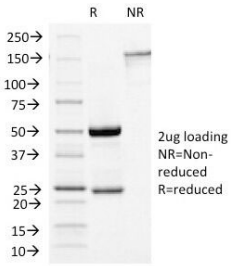
Catalog No.	Formulation	Size
V3381-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3381-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3381SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	GH/1450
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P01241
Gene ID	2688
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This GH antibody is available for research use only.



IHC testing of FFPE human pituitary gland with GH antibody (clone GH/1450). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free GH Antibody (clone GH/1450). Confirmation of Integrity and Purity of the Antibody.

Description

Pituitary growth hormone (GH) plays a crucial role in stimulating and controlling the growth, metabolism and differentiation of many mammalian cell types by modulating the synthesis of multiple mRNA species. These effects are mediated by the binding of GH to its membrane-bound receptor, GHR, and involve a phosphorylation cascade that results in the modulation of numerous signaling pathways. GH is synthesized by acidophilic or somatotropic cells of the anterior pituitary gland. Anti-GH is a useful marker in classification of pituitary tumors and the study of pituitary disease (acromegaly).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the GH antibody to be titered up or down for optimal performance.

Immunogen

A human partial recombinant protein corresponding to amino acids 58-187 was used as the immunogen for this GH antibody.

Storage

Store the GH antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)