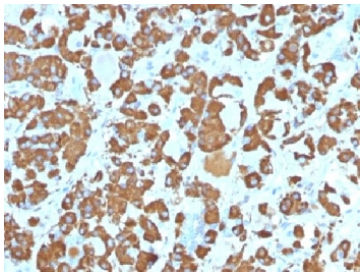
Growth Hormone Antibody (pituitary) [clone SPM106] (V3379)

Catalog No.	Formulation	Size
V3379-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3379-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3379SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (1)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	SPM106
Purity	Protein G affinity chromatography
UniProt	P01241
Gene ID	2688
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Growth Hormone antibody is available for research use only.



IHC testing of FFPE human pituitary gland with Growth Hormone antibody (clone SPM106). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

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 Growth Hormone 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 Growth Hormone antibody.

Storage

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

References (1)