Datasheet for ABIN6939513

Recombinant anti-Growth Hormone 1 antibody (AA 58-187)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Growth Hormone 1 (GH1)
Binding Specificity:	AA 58-187
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Growth Hormone 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A recombinant fragment (around aa58-187) of human Growth Hormone (GH) protein (exact sequence is proprietary)
Clone:	RGH-1450
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Growth Hormone 1 (GH1)
Alternative Name:	GH1 (GH1 Products)

Target Details

Background:	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).
Molecular Weight:	20kDa
Gene ID:	2688
UniProt:	P01241
Pathways:	NF-kappaB Signaling, JAK-STAT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone Metabolism, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Response to Growth Hormone Stimulus, Regulation of Hormone Biosynthetic Process

Application Details

Application Notes:	Positive Control: Pituitary cells. Human pituitary tissue (IHC). Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

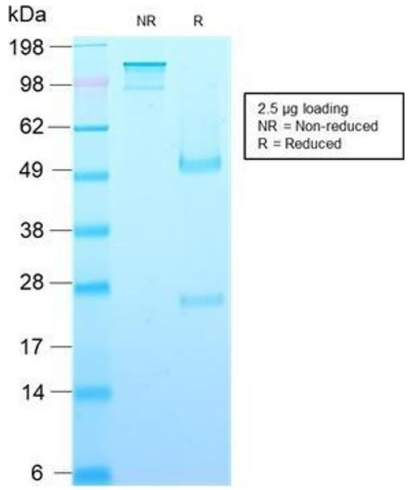
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

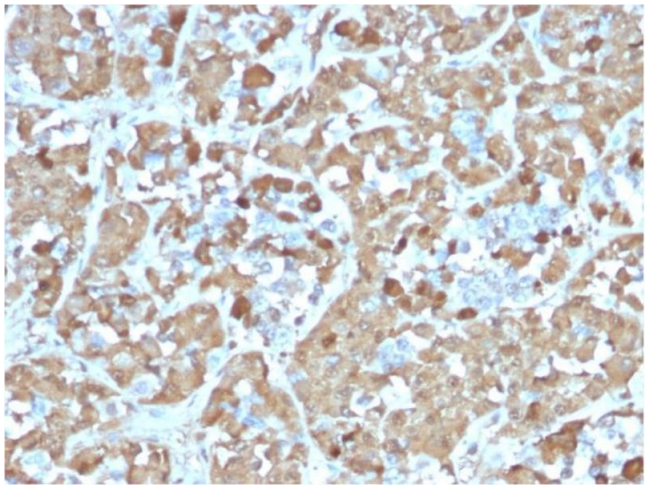
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Growth Hormone Recombinant Mouse Monoclonal (rGH/1450). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Pituitary stained with Growth Hormone Recombinant Mouse Monoclonal Antibody (rGH/1450).