Mouse Growth Hormone Monoclonal Antibody | anti-GH1 antibody

Growth Hormone (Pituitary Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214748	**Mouse**	**Human. Others not known.**	**Immunohistochemistry**

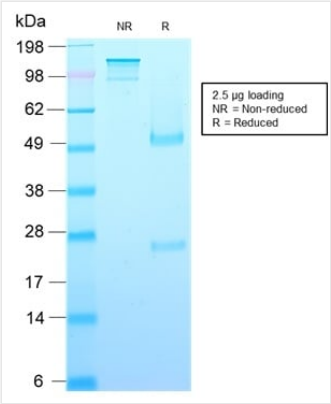
PRODUCT SYNONYMS

Growth Hormone; Monoclonal Antibody; Growth Hormone (Pituitary Marker); GH; GH-N; GH1; GHN; Growth hormone 1; Growth hormone; pituitary; HG1; hGH-N; IGHD1B; Pituitary growth hormone; RNGHGP; Somatotropin; anti-GH1 antibody

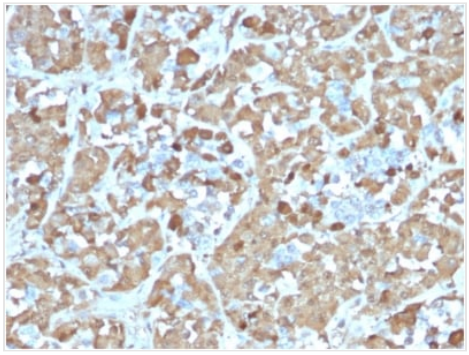
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rGH/1450
Specificity	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).
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	202
Applicable Applications for anti-GH1 antibody	IHC (Immunohistochemistry)
Immunogen	A recombinant fragment (around aa58-187) of human Growth Hormone (GH) protein (exact sequence is proprietary)
Positive Control	Pituitary Cells or Pituitary
Cellular Localization	Cytoplasmic
Chromosome Location	17q24.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



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



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pituitary stained with Growth Hormone Recombinant Mouse Monoclonal Antibody (rGH/1450).

ADDITIONAL INFORMATION

Related Product Information for anti-GH1 antibody	Recombinant Mouse Monoclonal Antibody
References	Niall, H.D., et al. 1971. Sequence of pituitary and placental lactogenic and growth hormones: evolution from a primordial peptide by gene reduplication. Proc. Natl. Acad. Sci. USA 68: 866-869.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027812
NCBI GeneID	2688
NCBI Accession #	NP_000506.2
NCBI GenBank Nucleotide #	NM_000515.4
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	20kDa
NCBI Official Full Name	somatotropin isoform 1
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; GHB5; hGH-N; IGHD1B
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	**GH1**
UniProt Synonym Gene Names	GH; GH-N

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/growth-hormone-antibody-clone-rgh-1450-immunohistochemistry-elisa/214748