

Mouse anti-Human, Mouse Growth Hormone Monoclonal Antibody | anti-GH1 antibody

Growth Hormone Antibody

CATALOG # AAA47979	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS Neutralization Assay, Western Blot, ELISA
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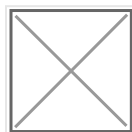
PRODUCT SYNONYMS

Growth Hormone; Monoclonal Antibody; Growth Hormone Antibody; GH1; GH; GH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin; GHN; hGH-N; ; anti-GH1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	g3H5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Applicable Applications for anti-GH1 antibody	NTRL (Neutralization Assay), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human growth hormone (27-217aa) purified from E. coli
Clone Note	Anti-human growth hormone mAb, clone g3H5, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant growth hormone.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The Recombinant protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Growth hormone antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant hGH (21-217aa) Lane 2.: 20kDa hGH (27-202aa)

ADDITIONAL INFORMATION

Related Product Information for anti-GH1 antibody	Human growth hormone (hGH, somatotropin), a protein hormone from the anterior lobe of the pituitary gland, comprises a single polypeptide chain of 191 amino acid residues. The 20kDa variant form of human growth hormone (20kDa hGH) presents in extracts from pituitary glands and it differs from the major form of hGH (22kDa, 191 amino acid) by the deletion of amino acid residues 32-46. The growth hormone amino acid sequence varies considerably between species, and non-primate growth hormones have little activity in man. Main functions of hGH and 20kDa hGH are the stimulation of somatic and bone growth, as well as an increase in the size and mass of organs and tissues.
Product Categories/Family for anti-GH1 antibody	Growth factors
References	Wickens, et al., (1978) J. Biol Chem. 253 (7)2483-2495; Chang, et al., (1978) Nature. 275,617-624; Ullrich. et al., (1977) Science 196, 1313-1319.; Tsushima, et al., (2000) Endocr J. 47; S17-21; Horan, M. et al., (2003) Hum. Mutat.21 (4), 408-423

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027812
NCBI GeneID	2688
NCBI Accession #	NP_000506
NCBI GenBank Nucleotide #	NM_000515.4
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	20,201 Da
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://stage.aaabiotech.com/monoclonal/growth-hormone-antibody-clone-g3h5-neutralization-assay-western-blot-elisa/47979>