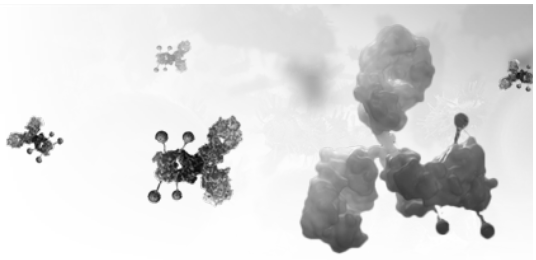

Rabbit Anti-Human GH monoclonal antibody, clone KN219-10 (CABT-L924)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Growth Hormone
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN219-10
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP, IHC
Cellular Localization	Secreted.
Positive Control	Human placenta, human liver cancer tissue, human tonsil tissue, human breast tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

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cycles.

BACKGROUND

Introduction	Pituitary growth hormone (GH), also designated somatotropin, 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 secreted in a pulsatile pattern which is tightly controlled by the interplay of GH-releasing hormone (GHRH) and somatostatin (SRIF). GHRH and SRIF are the primary hypothalamic factors that determine GH secretion from the somatotroph and regulate GH synthesis and secretory reserve. GH output is also highly sensitive to feedback control by GH itself, as well as by insulin-like growth factor I. GH is synthesized by acidophilic or somatotropic cells of the anterior pituitary gland. Human growth hormone contains 191 amino acid residues with two disulfide bridges.
Keywords	gH;GH-N;GH1;GHB5;GHN;Growth hormone 1;Growth hormone;Growth hormone B5;Growth hormone, normal;Growth hormone, pituitary;HG1;hGH-N;IGHD1B;Pituitary growth hormone;RNGHGP;SOMA_HUMAN;Somatotropin antibody

GENE INFORMATION

Entrez Gene ID	2688
UniProt ID	B1A4G6

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