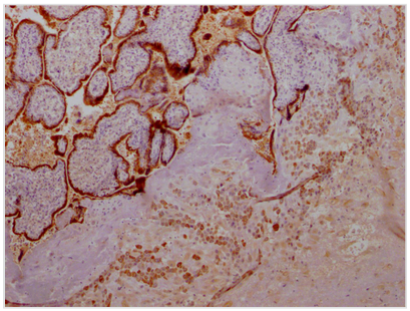
GH1 Antibody

Product Code	CSB-RA891358A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P01241
Immunogen	A synthesized peptide derived from human Growth Hormone
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Developmental biology; Signal transduction
Gene Names	GH1
Accession NO.	5E9

Image



IHC image of CSB-RA891358A0HU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

The anterior lobe of the pituitary gland secretes GH1, which is then discharged into the bloodstream. It is involved in the government of body height, bone length, and muscle growth. GH1 promotes growth in children by acting on many different regions of the body. While GH1 does not stimulate growth in adults, it

does aid in the maintenance of normal body structure and metabolism, including the control of blood glucose levels. GH-releasing hormone (GHRH), glucocorticoids, and (in rats) thyroid hormones all influence the expression of the GH1 gene in pituitary somatotropes. Insulin-like growth factor-1 (IGF-1) and somatostatin are antagonistic to GH1.

The recombinant GH1 antibody was generated in vitro through inserting cloned GH1 genes into expression vectors. The expression vector was then inserted into a mammalian cell to express this GH1 antibody. It has been validated in ELISA, IHC. Every step in the production was controlled strictly. You have no worries about the quality.