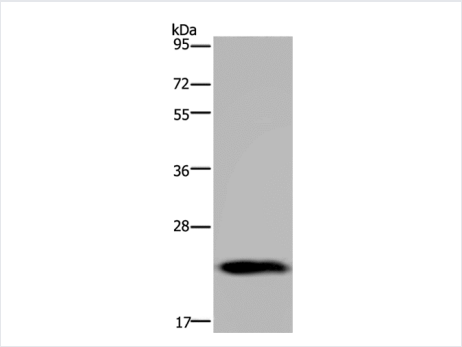
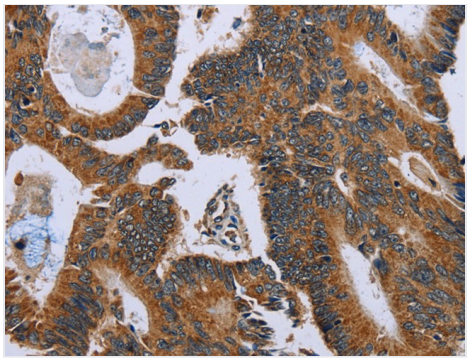
GH2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

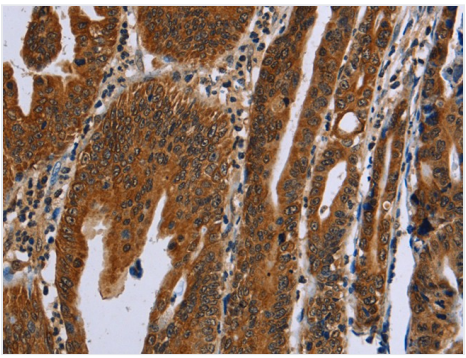
Product Name	GH2, Polyclonal Antibody
Full Product Name	GH2 Polyclonal Antibody
Product Gene Name	anti-GH2 antibody
Product Synonym Names	GHL; GHV; GH-V; hGH-V
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.7mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	25,002 Da
3D Structure	ModBase 3D Structure for Q6FH54
Immunogen	Recombinant protein of human GH2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GH2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GH2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-GH2 antibody	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization.
Other Notes	Small volumes of anti-GH2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GH2 purchase	MBS2519183 is an antibody targeting GH2. Also known as GH2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-GH2 antibody
Western Blot analysis of Human placenta tissue using GH2 Polyclonal Antibody at dilution of 1:700



Immunohistochemistry (IHC) of anti-GH2 antibody
Immunohistochemistry of paraffin-embedded Human colon cancer using GH2 Polyclonal Antibody at dilution of 1:60



Immunohistochemistry (IHC) of anti-GH2 antibody
Immunohistochemistry of paraffin-embedded Human gastric cancer using GH2 Polyclonal Antibody at dilution of 1:60

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GH2. It may not necessarily be applicable to this product.

NCBI GI #	49456759
NCBI GeneID	2689
NCBI Accession #	CAG46700.1
UniProt Primary Accession #	Q6FH54
UniProt Related Accession #	P01242
NCBI Official Full Name	GH2
NCBI Official Synonym Full Names	growth hormone 2
NCBI Official Symbol	GH2
NCBI Official Synonym Symbols	GHL; GHV; GH-V; hGH-V
UniProt Protein Name	GH2 protein
UniProt Synonym Protein Names	GH2 protein
Protein Family	Growth hormone
UniProt Gene Name	GH2
UniProt Entry Name	Q6FH54_HUMAN
NCBI Protein Information	growth hormone variant; placenta-specific growth hormone; placental-specific growth hormone

NCBI Summary for GH2	The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. As in the case of its pituitary counterpart, growth hormone 1, the predominant isoform of this particular family member shows similar somatogenic activity, with reduced lactogenic activity. Mutations in this gene lead to placental growth hormone/lactogen deficiency. [provided by RefSeq, Jul 2008]
UniProt Comments for GH2	GH2: 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. Belongs to the somatotropin/prolactin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 17q24.2 Cellular Component: extracellular region Molecular Function: hormone activity
Research Articles on GH2	**1.** genetic association studies in populations in Estonia, Czech Republic, and Bashkortostan/Russia: Data suggest an SNP in GH2 (rs2006123) is associated with adult height (not body mass index); A-allele is associated with taller stature. [META-ANALYSIS]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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