

## Description

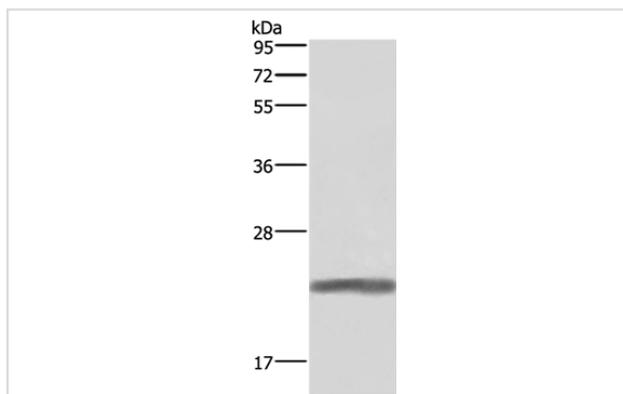
Product Name	GH1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GH1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human growth hormone 1
Target Name	GH1
Other Names	GH; GHN; GH-N; hGH-N; IGHD1B
Accession No.	Swiss-Prot#: P01241NCBI Gene ID: 2688Gene Accssion: NP_000506
Uniprot	P01241
GeneID	2688;
SDS-PAGE MW	25kd
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

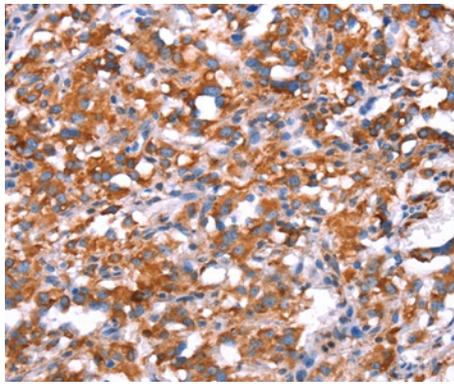
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 10%SDS-PAGE  
Lysates (from left to right): Human placenta tissue  
Amount of lysate: 40ug per lane  
Primary antibody: 1/500 dilution  
Secondary antibody dilution: 1/8000  
Exposure time: 1 second



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37591 at dilution 1/40.

## Background

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. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.

Note: This product is for in vitro research use only