

**GH rabbit pAb****Cat#: orb771546 (Manual)**

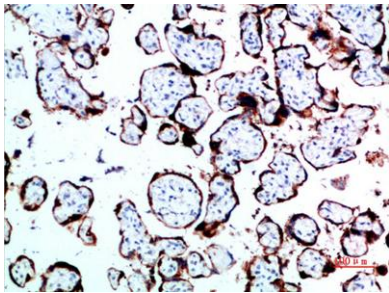
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	GH rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	IHC-p 1:50-200, ELISA 1:10000-20000
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 180-217
<b>Specificity</b>	The antibody detects endogenous GH
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Somatotropin (Growth hormone) (GH) (GH-N) (Growth hormone 1) (Pituitary growth hormone)
<b>Gene Name</b>	GH1/2
<b>Cellular localization</b>	Secreted.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

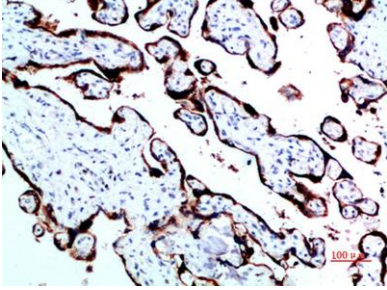
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	2688
<b>Human Swiss-Prot Number</b>	P01241/P01242
<b>Alternative Names</b>	Somatotropin (Growth hormone;GH;GH-N;Growth hormone 1;Pituitary growth hormone) Growth hormone variant (GH-V;Growth hormone 2;Placenta-specific growth hormone)

**Background**

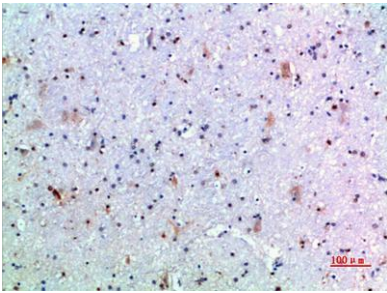
The protein encoded by this gene is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional 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. [provided by RefSeq, Jul 2008],



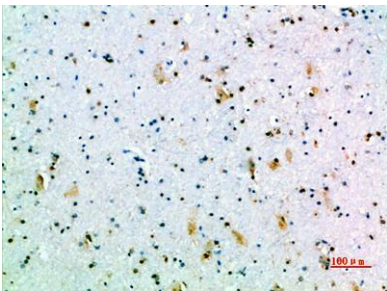
**Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200**



**Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200**



**Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200**



**Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200**