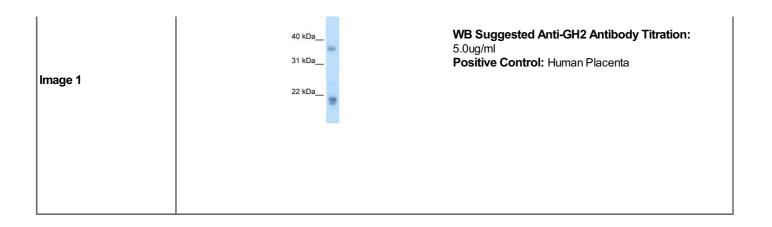
Product Number	ARP42013_T100
Product Name	GH2 antibody - middle region (ARP42013_T100)
Size	100ug
Gene Symbol	GH2
Alias Symbols	GH-V; GHL; GHV; hGH-V
Nucleotide Accession#	<u>NM_022556</u>
Protein Size (# AA)	202 amino acids
Molecular Weight	22kDa
Product Format	Lyophilized powder
NCBI Gene Id	2689
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Growth hormone 2
Gene Family	ENDOLIG
Description	This is a rabbit polyclonal antibody against GH2. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region: NQSYSKFDTKSHNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSC
Target Reference	Lacroix,M.C., (2005) Endocrinology 146 (5), 2434-2444
Description of Target	GH2 is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. Mutations in its gene lead to placental growth hormone/lactogen deficiency. 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.
Partner Proteins	ADORA1, DRD2, DRD5, EYA1, EYA2, GNAZ, NMT1, NUCB1, OPRD1, PRKCD, RAP1GAP, RGS10, RGS19, RGS20, RGS7, EYA2, RAP1GAP, RGS10, RGS19, RGS20, RGS7
Reconstitution and Storage	Add 100 ul of distilled water. Final anti-GH2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-GH2 antibody is Catalog # AAP42013 (Previous Catalog # AAPS11506)
Immunogen	The immunogen for anti-GH2 antibody: synthetic peptide directed towards the middle region of human GH2
Swissprot Id	<u>014643</u>
Protein Name	Growth hormone variant
Protein Accession #	NP_072050
Purification	Protein A purified
Species Reactivity	Goat, Sheep, Bovine, Human, Rat, Pig, Horse, Rabbit, Mouse
Application	WB
Predicted Homology Based on Immunogen Sequence	Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%

Human Placenta





This product is for Research Use Only. Not for diagnostic, human, or veterinary use. Optimal conditions of its use should be determined by end users.