Datasheet for ABIN615529

anti-Growth Hormone 1 antibody (Ser235)

2 Images

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Overview

Quantity:	50 µL
Target:	Growth Hormone 1 (GH1)
Binding Specificity:	Ser235
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Growth Hormone 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from human Tau around the phosphorylation site of serine 235
Sequence:	P-K-SP-P-S
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Immunoaffinity Chromatography

Target Details

Target:	Growth Hormone 1 (GH1)
Alternative Name:	Somatotropin / Growth Hormone / GH1 (GH1 Products)
Background:	The protein encoded by this gene is a member of the somatotropin/prolactin family of

Target Details

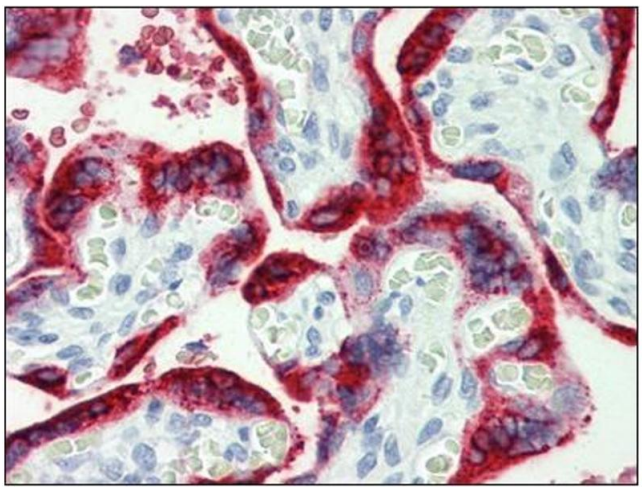
	hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation, an arrangement which is thought to have evolved by a series of gene duplications. 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. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.Synonyms: Growth hormone 1, HGH, Pituitary growth hormone
Gene ID:	2688
NCBI Accession:	NP_000506
UniProt:	P01241
Pathways:	NF-kappaB Signaling, JAK-STAT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone Metabolism, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Response to Growth Hormone Stimulus, Regulation of Hormone Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

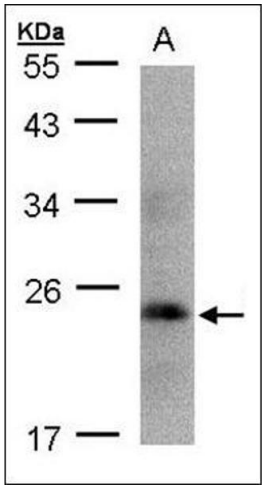
Handling

Format:	Liquid
Buffer:	0.1 M Tris-glycine, pH 7, 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store (in aliquots) at -20 °C. Dilute only prior to immediate use.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blotting

Image 2. Sample(30 µg whole cell lysate). A:293T. 12% SDS PAGE. GH1 antibody diluted at 1:1000