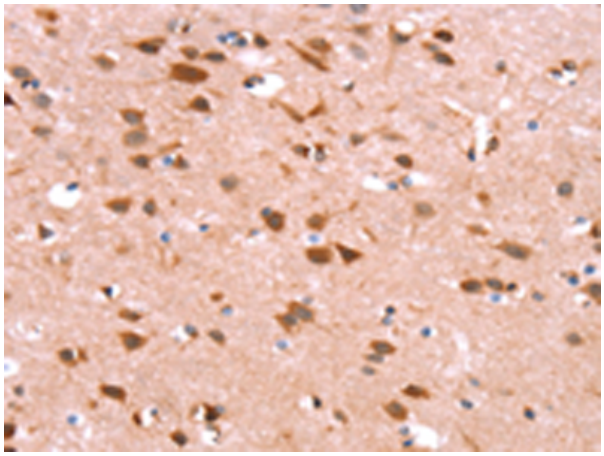
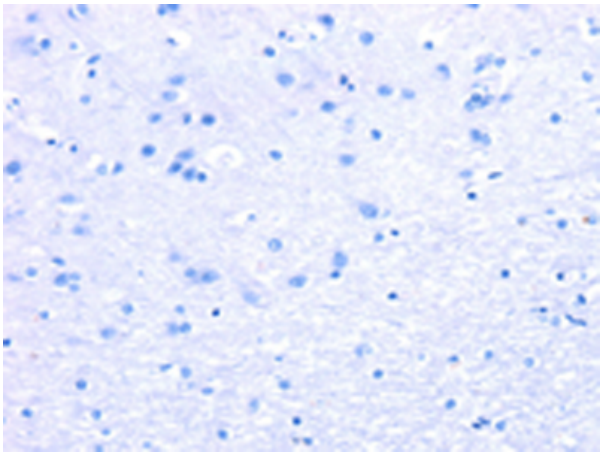
GH1 RABBIT PAB

Cat.#: S220569
Product Name: Anti-GH1 Rabbit Polyclonal Antibody
Synonyms: GH; GHN; GH-N; hGH-N; IGHD1B
UNIPROT ID: P01241 (Gene Accession - NP_000506)
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.
Immunogen: Synthetic peptide of human GH1
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 50-200;WB: 200-1000;ELISA: 1000-2000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Signal Transduction, Developmental Biology
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

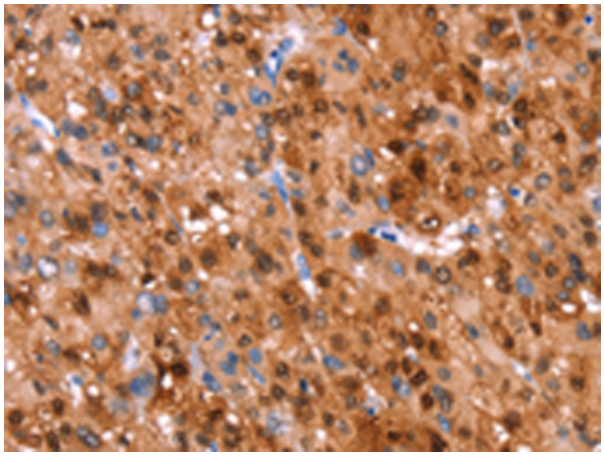
FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS



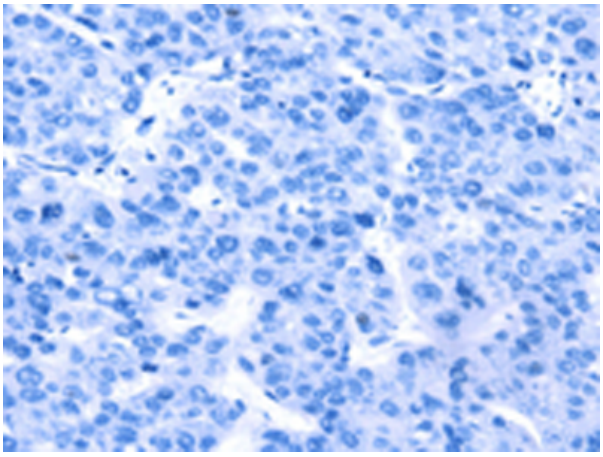
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 220569(GH1 Antibody) at a dilution of 1/40(Cytoplasm).



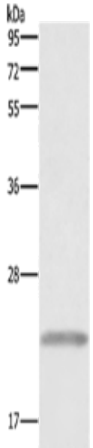
In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 220569(Anti-GH1 Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 220569(Anti-GH1 Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D261707(Anti-GH1 Antibody) at dilution 1/40.



Gel: 10%SDS-PAGE, Lysate: 40 µg;
Lane: Human placenta tissue;
Primary antibody: 220569(GH1 Antibody) at dilution 1/500;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 1 second

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS