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GHRH Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7758A

Product Information

Application	WB, IF, IHC-P, E
Primary Accession	P01286
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14533
Calculated MW	12447
Antigen Region	8-34

Additional Information

Gene ID	2691
Other Names	Somatoliberin, Growth hormone-releasing factor, GRF, Growth hormone-releasing hormone, GHRH, Somatocrinin, Somatorelin, Sermorelin, GHRH, GHRF
Target/Specificity	This GHRH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-34 amino acids from the N-terminal region of human GHRH.
Dilution	WB~~1:1000 IF~~1:10~50 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GHRH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

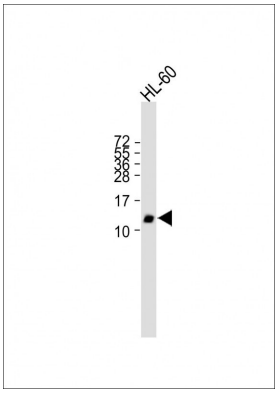
Name	GHRH
Synonyms	GHRF

Function	GRF is released by the hypothalamus and acts on the adenohypophyse to stimulate the secretion of growth hormone.
Cellular Location	Secreted.

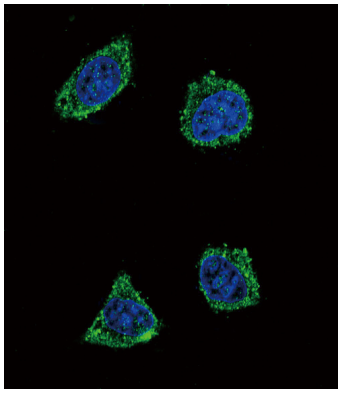
Background

GHRH belongs to the glucagon family and is a preproprotein that is produced in the hypothalamus. The preproprotein is cleaved to form a 44 aa factor, also called somatocrinin, that acts to stimulate growth hormone release from the pituitary. Variant receptors for somatocrinin have been found in several types of tumors, and antagonists of these receptors can inhibit the growth of the tumors. Defects in this protein are a cause of dwarfism, while hypersecretion of the encoded protein is a cause of gigantism.

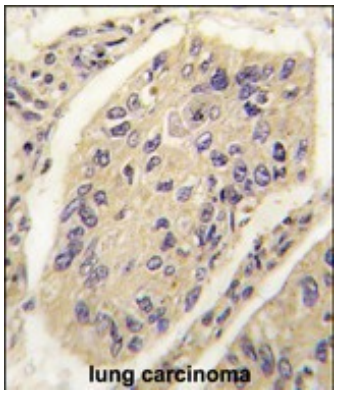
Images



All lanes : Anti-GHRH Antibody (N-term) at 1:500 dilution Lane 1: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 12kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Confocal immunofluorescent analysis of GHRH Antibody (N-term) (Cat. #AP7758a) with 293 cell followed by Alexa Fluor?488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GHRH antibody (N-term) (Cat.#AP7758a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.