

# GHSR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11873b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q92847</a>
<b>Other Accession</b>	<a href="#">A5A4K9</a> , <a href="#">Q95254</a> , <a href="#">NP_940799</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Pig, Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB18124
<b>Calculated MW</b>	41329
<b>Antigen Region</b>	326-357

## Additional Information

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<b>Gene ID</b>	2693
<b>Other Names</b>	Growth hormone secretagogue receptor type 1, GHS-R, GH-releasing peptide receptor, GHRP, Ghrelin receptor, GHSR
<b>Target/Specificity</b>	This GHSR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 326-357 amino acids from the C-terminal region of human GHSR.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	GHSR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GHSR
<b>Function</b>	Receptor for ghrelin, coupled to G-alpha-11 proteins. Stimulates growth hormone secretion. Also binds other growth hormone releasing peptides

(GHRP) (e.g. Met-enkephalin and GHRP-6) as well as non-peptide, low molecular weight secretagogues (e.g. L-692,429, MK- 0677, adenosine).

**Cellular Location** Cell membrane; Multi-pass membrane protein.

**Tissue Location** Pituitary and hypothalamus.

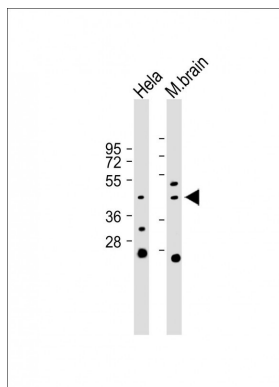
## Background

This gene encodes a member of the G-protein coupled receptor family. The encoded protein may play a role in energy homeostasis and regulation of body weight. Two identified transcript variants are expressed in several tissues and are evolutionary conserved in fish and swine. One transcript, 1a, excises an intron and encodes the functional protein; this protein is the receptor for the Ghrelin ligand and defines a neuroendocrine pathway for growth hormone release. The second transcript (1b) retains the intron and does not function as a receptor for Ghrelin; however, it may function to attenuate activity of isoform 1a. Mutations in this gene are associated with autosomal idiopathic short stature.

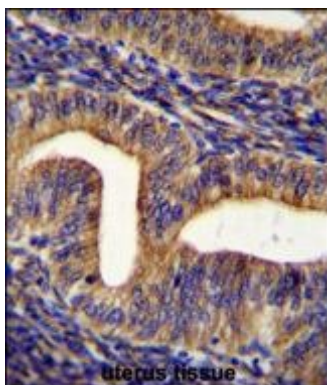
## References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Landgren, S., et al. Alcohol. Clin. Exp. Res. 34(9):1519-1524(2010)  
Aghajanova, L., et al. Reprod Sci 17(9):823-832(2010)  
Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :  
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)

## Images

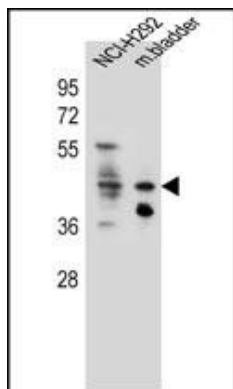


All lanes :GHSR Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/10000 dilution. Observed band size : 45kDa Blocking/Dilution buffer: 5% NFDm/TBST.



GHSR Antibody (C-term) (Cat. #AP11873b) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GHSR Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GHSR Antibody (C-term) (Cat. #AP11873b) western blot analysis in NCI-H292 cell line and mouse bladder tissue lysates (35ug/lane). This demonstrates the GHSR antibody



detected the GHSR protein (arrow).

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