

## GHSR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP11873b

### Specification

## **GHSR Antibody (C-term) - Product Information**

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB, IHC-P,E <u>O92847</u> A5A4K9, <u>O95254</u>, <u>NP\_940799</u> Human, Mouse Pig, Rabbit Rabbit Polyclonal Rabbit IgG 41329 326-357

## **GHSR Antibody (C-term) - Additional Information**

Gene ID 2693

**Other Names** Growth hormone secretagogue receptor type 1, GHS-R, GH-releasing peptide receptor, GHRP, Ghrelin receptor, GHSR

#### Target/Specificity

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.

**Dilution** WB~~1:1000 IHC-P~~1:50~100 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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

GHSR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## GHSR Antibody (C-term) - Protein Information



## Name GHSR

**Function** 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.

## **GHSR Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- GHSR Antibody (C-term) Images



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).





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) - 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.

# GHSR Antibody (C-term) - 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)