Product datasheet

Anti-GHRHR antibody ab28692

16 References  3 Images

Overview

Product name: Anti-GHRHR antibody
Description: Rabbit polyclonal to GHRHR
Host species: Rabbit
Specificity: ab28692 recognises GHRH-R.

Tested applications: Suitable for: WB, IHC-P, ICC/IF
Species reactivity: Reacts with: Human

Immunogen: Synthetic peptide: RTRAKWTTPRSAAKVLTSM conjugated to KLH, corresponding to amino acids 403-422 of Human GHRHR

Positive control: human ovarian carcinoma

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.05% Sodium azide
Constituent: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab28692 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/3000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).</td>
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Function
Receptor for GRF, coupled to G proteins which activate adenylyl cyclase. Stimulates somatotroph cell growth, growth hormone gene transcription and growth hormone secretion.

Tissue specificity
Pituitary gland.

Involvement in disease
Defects in GHRHR are a cause of growth hormone deficiency isolated type 1B (IGHD1B) [MIM:612781]; also known as dwarfism of Sindh. IGHD1B is an autosomal recessive deficiency of GH which causes short stature. IGHD1B patients have low but detectable levels of GH.

Sequence similarities
Belongs to the G-protein coupled receptor 2 family.

Cellular localization
Cell membrane.

Target

Images

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<tbody>
<tr>
<td>IHC-P</td>
<td>1/1000. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol. Perform heat mediated antigen retrieval via the microwave method for 20 minutes in citric acid at pH 6.0.</td>
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<tr>
<td>ICC/IF</td>
<td>1/3000.</td>
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Secondary
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution
Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 47 kDa
Observed band size: 47 kDa
Additional bands at: 70 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

Anti-GHRHR antibody (ab28692) at 1/500 dilution + LOVO (Human colon adenocarcinoma cell line) Whole Cell Lysate at 10 µg
ab28692 staining Human GHRHR in human ovarian carcinoma samples by immunohistochemistry using paraffin embedded tissue.

ICC/IF image of ab28692 stained SKNSH cells. The cells were 4% formaldehyde (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab28692, 1/200 dilution) overnight at +4°C. The secondary antibody (green) was ab96899 Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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