Glucagon-like peptide 1 receptor Antibody, Rabbit Polyclonal Antibody

Catalog Number: 18-461-10131

Related Product Names:
- GLP1R antibody; GLP1R; MGC138331; Glucagon-like peptide 1 receptor
- GLP-1 receptor; GLP-1-R; GLP-1R; Glucagon-like peptide 1 receptor

- Gene Information -
Information in yellow represents specific gene information and does not necessarily represent specific product details. For more information please contact sales@genwaybio.com.

Gene Name: GLP1R
Gene Name Synonym: MGC138331

Gi #: 19923204
NCBI Acc #: NP_002053.2
Swiss Prot Acc #: P43220

Length (aa): 463
Mol. Weight (Da): 53060
Chrom Location: 6p21

- Uses: IHC (10 - 20 ug/ml) (Optimal dilution to be determined by the researcher)
- Summary of Expression: GLP1R has been reported in pancreas, brain, heart, kidney, lung, and stomach. ESTs have been isolated from kidney and skin libraries.
- Source/Host: Rabbit
- Purity/Purification: peptide immunogen affinity column
- Clonality: Polyclonal
- Crossreactivity: Human, mouse
- Format: Phosphate buffered saline, pH 7.7, containing 0.01% sodium azide.
- Storage: +4 degree C for short term (weeks) and -70 degree C for long term.
- Stability: 6-12 months at -20 degree C.
- Shipping: Products may be shipped on ice pack or dry ice.

APPLICATIONS for GLP1R ANTIBODY:

<table>
<thead>
<tr>
<th>APPLICATIONS</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC</td>
<td>Tested</td>
</tr>
<tr>
<td>ELISA, ICC, Western Blot</td>
<td>Not Tested</td>
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</tbody>
</table>

TESTING: (secondary reagents and protocols)

<table>
<thead>
<tr>
<th>TESTING</th>
<th>Details</th>
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<tbody>
<tr>
<td>IHC</td>
<td>Pancreas, Islet of Langerhans ( anti-GLP1R )</td>
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GLP1R antibody IHC image
GLP1R ANTIBODY TARGET DESCRIPTION:

**Synonym Names for GLP1R antibody:** GLP1R; MGC138331; GLP-1 receptor; GLP-1-R; GLP-1R; Glucagon-like peptide 1 receptor

**Function:** This is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.

**Subcellular Location:** Membrane; multi-pass membrane protein.

**Similarity:** Belongs to the G-protein coupled receptor 2 family [view classification].

Glucagon-like peptide 1 receptor reacts with human, mouse.

**OMIM:** 138032; gene. [NCBI / EBI]

**Pathways:**
KEGG pathway: Neuroactive ligand-receptor interaction 04080

BACKGROUND REFERENCES for GLP1R ANTIBODY:

Background references for antibody target are not specific to GenWay products

*Activation of glucagon-like peptide-1 receptor signaling does not modify the growth or apoptosis of human pancreatic cancer cells*

*A human glucagon-like peptide-1 receptor polymorphism results in reduced agonist responsiveness*

*Characterization of glucagon-like peptide-1 receptor beta-arrestin 2 interaction: a high-affinity receptor phenotype*

*The expression of GLP-1 receptor mRNA and protein allows the effect of GLP-1 on glucose metabolism in the human hypothalamus and brainstem*

*Five missense mutations in glucagon-like peptide 1 receptor gene in Japanese population*

*Cloning and functional expression of the human islet GLP-1 receptor. Demonstration that exendin-4 is an agonist and exendin-(9-39) an antagonist of the receptor.*

*Cloning and functional expression of the human glucagon-like peptide-1 (GLP-1) receptor.*

*Cloning and functional expression of a human glucagon-like peptide-1 receptor.*

*Signal transduction of the GLP-1-receptor cloned from a human insulinoma.*

[10] Wei Y., Mosjov S.  
*Tissue-specific expression of the human receptor for glucagon-like peptide-I: brain, heart and pancreatic forms have the same deduced amino acid sequences.*
Order Confirmation: Sales order confirmations are sent out upon the receipt of all orders. Please contact GenWay if you do not receive a confirmation within 1 business day of submitting your order.

Precautions: GLP1R antibody is for in vitro research use only. Not for use in diagnostics or therapeutic procedures.

Important Notes: During shipment, small volumes of GLP1R antibody vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. Actual concentration, volume and quantity will be printed on the vial's label. Please refer to the vials label for this information.

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