Product datasheet

Anti-GPCR GPR40 antibody ab32889

Overview

Product name: Anti-GPCR GPR40 antibody
Description: Goat polyclonal to GPCR GPR40
Host species: Goat
Tested applications: Suitable for: ELISA, WB
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide: CAARTQGGKES QK, corresponding to C terminal amino acids 289-300 of Human GPCR GPR40 peptide.
Positive control: Human breast lysate

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.30
Preservative: 0.02% Sodium azide
Constituents: Tris buffered saline, 0.5% BSA
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab32889 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>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>1/16000</td>
<td></td>
</tr>
</tbody>
</table>
Function
Receptor for medium and long chain saturated and unsaturated fatty acids. Binding of the ligand increase intracellular calcium concentration and amplify glucose-stimulated insulin secretion. The activity of this receptor is mediated by G-proteins that activate phospholipase C. Seems to act through a G(q) and G(i)-mediated pathway.

Tissue specificity
Expressed abundantly in pancreatic beta cells.

Sequence similarities
Belongs to the G-protein coupled receptor 1 family.

Cellular localization
Cell membrane.

Images

Anti-GPCR GPR40 antibody (ab32889) at 0.03 µg/ml + Human breast lysate (35µg protein in RIPA buffer).

Predicted band size: 32 kDa
Observed band size: 28 kDa

why is the actual band size different from the predicted?

Primary incubation was 1 hour.
Detected by chemiluminescence.

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