

Product datasheet

Anti-GPCR GPR40 antibody ab32889

1 Image

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: CAARTQGGKS QK , corresponding to C terminal amino acids 289-300 of Human GPCR GPR40 peptide. Run BLAST with Run BLAST with
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	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
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.

Application	Abreviews	Notes
ELISA		1/16000.

Application	Abreviews	Notes
WB		Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 28 kDa (predicted molecular weight: 32 kDa).

Target

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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