abcam

Product datasheet

Anti-GPCR GPR81 antibody ab106942

2 References 1 Image

Overview

Product name Anti-GPCR GPR81 antibody

Description Goat polyclonal to GPCR GPR81

Host species Goat

Tested applications Suitable for: WB

Species reactivity Reacts with: Human

Predicted to work with: Dog, Pig

Immunogen Synthetic peptide:

C-QQLARQARMKKATR

, corresponding to internal sequence amino acids 207-220 of Human GPCR GPR81

(NP 115943.1).

Run BLAST with
Run BLAST with

Positive control Human liver lysate

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years.

Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be

found below, along with publications, customer reviews and Q&As

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

Purification notes Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

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Clonality Polyclonal

Isotype IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab106942 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
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 40, 55 kDa (predicted molecular weight: 39 kDa). 1 hour primary incubation is recommended for this product.

Target

Function Acts as a receptor for L-lactate and mediates its anti-lipolytic effect through a G(i)-protein-

mediated pathway.

Tissue specificity Expressed abundantly in brown and white fat. It also detectable at lower levels in liver, kidney,

skeletal muscle, brain and pituitary. Not detected in frontal, temporal and occipital lobes of the

cortex, basal forebrain, caudate nucleus, nucleus accumbens and hippocampus.

Sequence similaritiesBelongs to the G-protein coupled receptor 1 family.

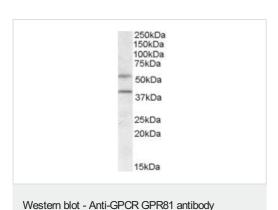
Cellular localization Cell membrane.

Form G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane

domains and transduce extracellular signals through heterotrimeric G proteins.

Images

(ab106942)



Anti-GPCR GPR81 antibody (ab106942) at 0.5 μ g/ml + Human liver

lysate at 35 µg

Developed using the ECL technique.

Predicted band size: 39 kDa **Observed band size:** 40 kDa

Additional bands at: 55 kDa. We are unsure as to the identity of

these extra bands.

Exposure time: 1 hour

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An additional band of unknown identity was also consistently

observed at 55 kDa. This band was successfully blocked by incubation with the immunizing peptide.

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