


Product datasheet

Anti-GPCR GPR81 antibody ab106942

[1 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

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
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

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).

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 similarities	Belongs 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



Anti-GPCR GPR81 antibody (ab106942) at 0.5 µg/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

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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