




## Product datasheet

### Anti-GPCR GPR81 antibody ab106942

[2 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-GPCR GPR81 antibody
<b>Description</b>	Goat polyclonal to GPCR GPR81
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Dog, Pig 
<b>Immunogen</b>	Synthetic peptide: C-QQLARQARMKKATR , corresponding to internal sequence amino acids 207-220 of Human GPCR GPR81 (NP_115943.1). <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	Human liver lysate
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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
<b>WB</b>		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

<b>Function</b>	Acts as a receptor for L-lactate and mediates its anti-lipolytic effect through a G(i)-protein-mediated pathway.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Cellular localization</b>	Cell membrane.
<b>Form</b>	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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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