

Datasheet for ABIN7043174  
**anti-GPR83 antibody (Extracellular, N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	0.2 mL
Target:	GPR83
Binding Specificity:	AA 59-71, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR83 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)RRYGAESQNPTVK, corresponding to amino acid residues 59 - 71 of mouse GPR83
Isotype:	IgG
Characteristics:	Anti-GPR83 (extracellular) Antibody (ABIN7043174, ABIN7044445 and ABIN7044446)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and indirect live cell flow cytometry applications. It has been designed to recognize GPR83 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

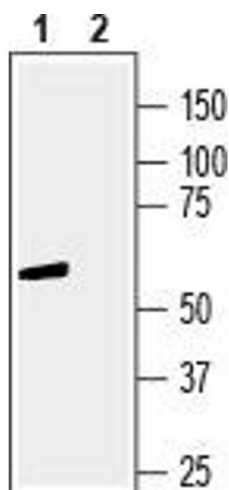
Target:	GPR83
Alternative Name:	GPR83 ( <a href="#">GPR83 Products</a> )
Background:	Alternative names: G-protein coupled receptor 83, G-protein coupled receptor 72, GPR72, Glucocorticoid induced receptor, GIR
Gene ID:	14608
NCBI Accession:	<a href="#">NM_016540</a>
UniProt:	<a href="#">P30731</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

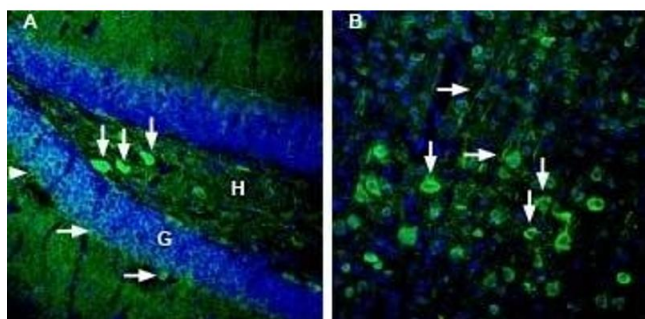
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



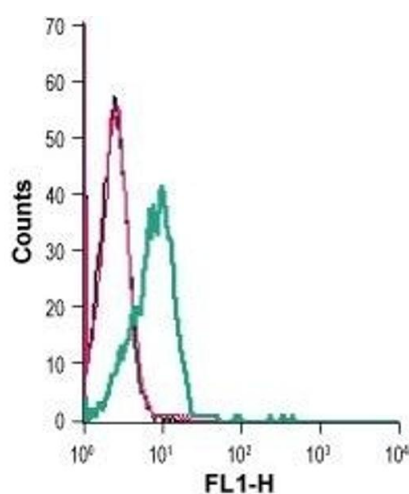
### Western Blotting

**Image 1.** Western blot analysis of human Jurkat T-cell leukemia cell line lysate: - 1. Anti-GPR83 (extracellular) Antibody (ABIN7043174, ABIN7044445 and ABIN7044446), (1:400). 2. Anti-GPR83 (extracellular) Antibody, preincubated with GPR83 (extracellular) Blocking Peptide (#BLP-GR053).



### Immunohistochemistry

**Image 2.** Expression of GPR83 in mouse hippocampus and cortex - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-GPR83 (extracellular) Antibody (ABIN7043174, ABIN7044445 and ABIN7044446), (1:3000), followed by goat anti-rabbit-AlexaFluor-488. A. GPR83 staining (green) in hippocampal dentate gyrus is detected in hilar interneurons (vertical arrows) and around cells of the granule layer (horizontal arrows). H = hilus of dentate gyrus. G = granule layer. B. GPR83 immunoreactivity (green) in parietal cortex is observed in neurons of the pyramidal layer (vertical arrows) and in their apical dendrites (horizontal arrows). Cell nuclei are stained with DAPI (blue).



### Flow Cytometry

**Image 3.** Cell surface detection of GPR83 in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-GPR83 (extracellular) Antibody (ABIN7043174, ABIN7044445 and ABIN7044446), (5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043174.