

Datasheet for ABIN7043175
anti-GPR84 antibody (2nd Extracellular Loop)[Go to Product page](#)

4 Images

Overview

Quantity:	50 µL
Target:	GPR84
Binding Specificity:	2nd Extracellular Loop, AA 166-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CT(S)SFDRIRGRPYTT, corresponding to amino acid residues 166-180 of human GPR84
Isotype:	IgG
Characteristics:	Anti-GPR84 (extracellular) Antibody (ABIN7043175, ABIN7044443 and ABIN7044444)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunohistochemistry, and live cell flow cytometry applications. It has been designed to recognize GPR84 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

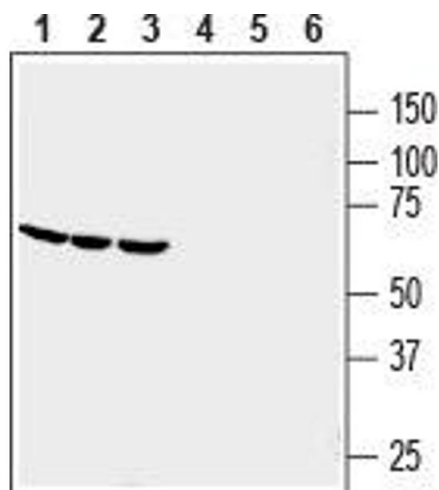
Target:	GPR84
Alternative Name:	GPR84 (GPR84 Products)
Background:	Alternative names: GPR84, G-protein coupled receptor 84, Inflammation-related G-protein coupled receptor EX33
Gene ID:	53831
NCBI Accession:	NM_020370
UniProt:	Q9NQS5

Application Details

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

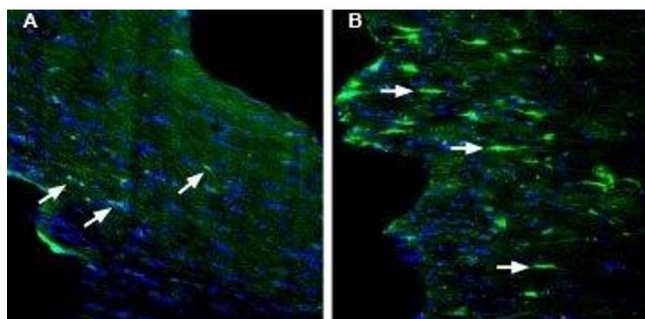
Handling

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>



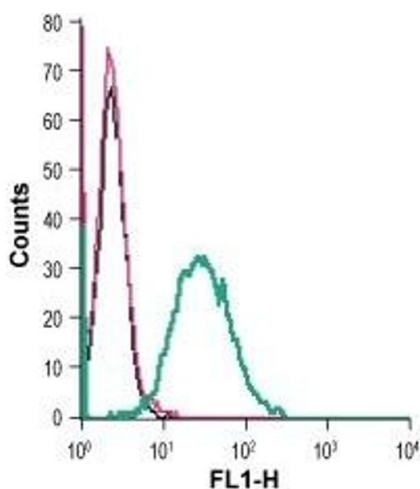
Western Blotting

Image 1. Western blot analysis of human THP-1 monocytic leukemia (lanes 1 and 4), human HL-60 promyelocytic leukemia (lanes 2 and 5) and human U-87 MG glioblastoma (lanes 3 and 6) cell line lysates: - 1-3. Anti-GPR84 (extracellular) Antibody (ABIN7043175, ABIN7044443 and ABIN7044444), (1:200). 4-6. Anti-GPR84 (extracellular) Antibody, preincubated with GPR84 (extracellular) Blocking Peptide (#BLP-GR052).



Immunohistochemistry

Image 2. Expression of GPR84 in mouse fornix in a kainic acid-induced model of temporal lobe epilepsy - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-GPR84 (extracellular) Antibody (ABIN7043175, ABIN7044443 and ABIN7044444), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. In untreated mouse sections GPR84 immunoreactivity (green) is detected in astrocyte profiles (arrows). B. GPR84 staining (green) in mouse sections obtained four days post kainate-induced seizures, shows an increase in number and size of astrocyte profiles stained for GPR84 (arrows). Cell nuclei are stained with DAPI (blue).



Flow Cytometry

Image 3. Cell surface detection of GPR84 in live intact mouse J774 macrophage cells: (black line) Cells. (red line) Cells + goat-anti-rabbit-FITC. (green line) Cells + Anti-GPR84 (extracellular) Antibody (ABIN7043175, ABIN7044443 and ABIN7044444), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043175.