Datasheet for ABIN7043167

anti-GPR65 antibody (1st Extracellular Loop)

4 Images

Go to Product page

Overview

Quantity:	50 µL
Target:	GPR65
Binding Specificity:	1st Extracellular Loop, AA 72-84
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR65 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DYTWNKDNWTFSP, corresponding to amino acid residues 72 - 84 of human GPR65
Isotype:	IgG
Characteristics:	Anti-GPR65 (TDAG8) (extracellular) Antibody (ABIN7043167, ABIN7044427 and ABIN7044428)) 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. It has been designed to recognize GPR65 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

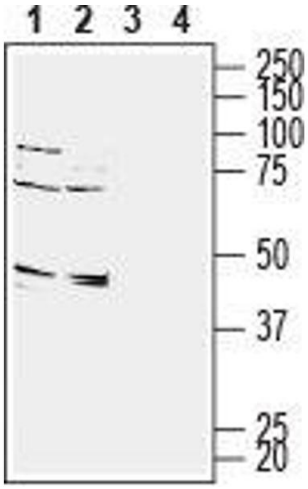
Target:	GPR65
Alternative Name:	GPR65 (TDAG8) (GPR65 Products)
Background:	Alternative names: GPR65 (TDAG8), G-protein coupled receptor 65, T-cell death-associated gene 8 protein, Psychosine receptor
Gene ID:	8477
NCBI Accession:	NM_003608
UniProt:	Q8IYL9
Pathways:	cAMP Metabolic Process

Application Details

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

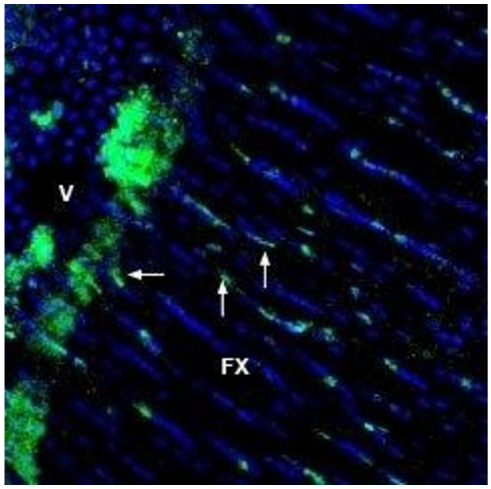
Handling

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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).



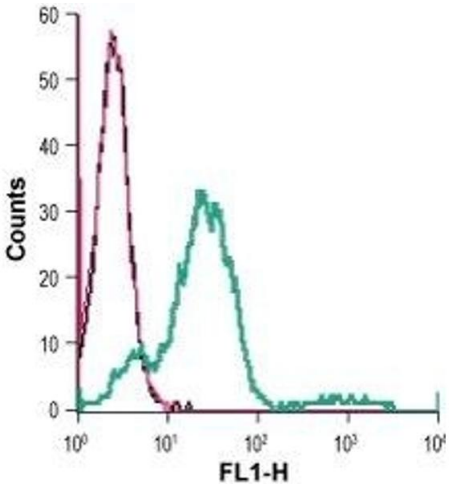
Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-GPR65 (TDAG8) (extracellular) Antibody (ABIN7043167, ABIN7044427 and ABIN7044428), (1:200).3,4. Anti-GPR65 (TDAG8) (extracellular) Antibody, preincubated with GPR65/TDAG8 (extracellular) Blocking Peptide (#BLP-GR043).



Immunohistochemistry

Image 2. Expression of GPR65 in rat fornix - Immunohistochemical staining of immersion-fixed, free floating rat frozen brain sections using Anti-GPR65 (TDAG8) (extracellular) Antibody (ABIN7043167, ABIN7044427 and ABIN7044428), (1:1200), followed by goat-anti-rabbit-AlexaFluor-488. GPR65 staining (green) appears in glial processes (vertical arrows) and in the side of fornix (FX) facing the ventricle (V, horizontal arrow). Cell nuclei are stained with DAPI (blue).



Flow Cytometry

Image 3. Cell surface detection of GPR65 in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-GPR65 (TDAG8) (extracellular) Antibody (ABIN7043167, ABIN7044427 and ABIN7044428), 5 µg + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043167.