

Datasheet for ABIN7043162
anti-GPR55 antibody (3rd Extracellular Loop)

4 Images

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Overview

Quantity:	0.2 mL
Target:	GPR55
Binding Specificity:	3rd Extracellular Loop, AA 261-275
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR55 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)RNRFIELD(S)RMKQGIS, corresponding to amino acid residues 261 - 275 of mouse GPR55
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for use with human samples.
Characteristics:	Anti-GPR55 (extracellular) Antibody (ABIN7043162, ABIN7044202 and ABIN7044203)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and live cell flow cytometry applications. It has been designed to recognize GPR55 from human, rat, and mouse samples. The antibody will not recognize the human protein.
Purification:	Affinity purified on immobilized antigen.

Target Details

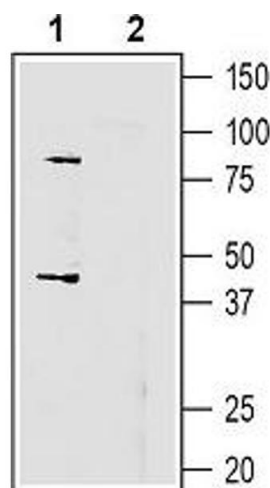
Target:	GPR55
Alternative Name:	GPR55 (GPR55 Products)
Background:	Alternative names: G-Protein Coupled Receptor 55
Gene ID:	227326
NCBI Accession:	NM_005683
UniProt:	Q3UJF0

Application Details

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

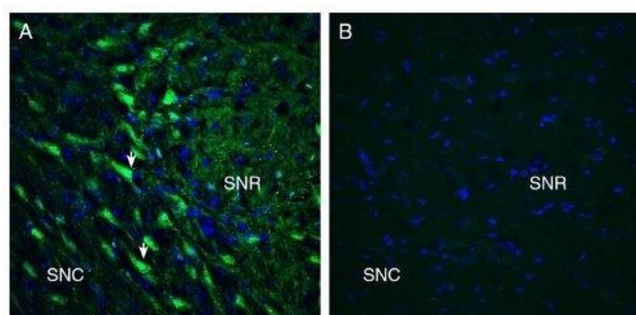
Handling

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>



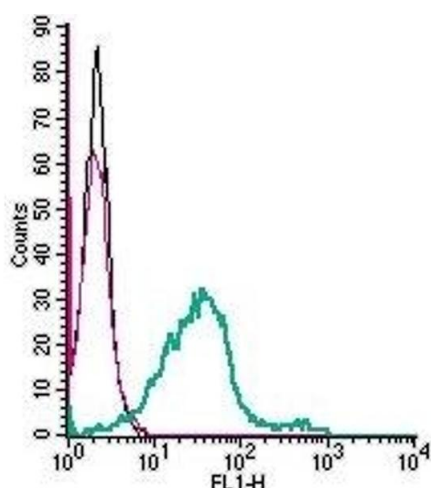
Western Blotting

Image 1. Western blot analysis of mouse BV-2 microglia cell line lysate: - 1. Anti-GPR55 (extracellular) Antibody (ABIN7043162, ABIN7044202 and ABIN7044203), (1:500). 2. Anti-GPR55 (extracellular) Antibody, preincubated with GPR55 (extracellular) Blocking Peptide (#BLP-CR062).



Immunohistochemistry

Image 2. Expression of GPR55 in rat substantia nigra. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-GPR55 (extracellular) Antibody (ABIN7043162, ABIN7044202 and ABIN7044203), followed by goat anti-rabbit-AlexaFluor-488. A. GPR55 immunoreactivity (green) appears in the substantia nigra pars compacta (SNC) in neurons (arrows). B. Pre-incubation of the antibody with GPR55 (extracellular) Blocking Peptide (BLP-CR062), suppressed staining. Cell nuclei are stained with DAPI (blue). SNR = substantia nigra pars reticulata.



Flow Cytometry

Image 3. Cell surface detection of GPR55 in live intact mouse BV-2 microglia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-GPR55 (extracellular) Antibody (ABIN7043162, ABIN7044202 and ABIN7044203), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043162.