

Datasheet for ABIN7043397

anti-O3FAR1 antibody (Extracellular, N-Term)

4 Images

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Overview

Quantity:	50 µL
Target:	O3FAR1
Binding Specificity:	AA 22-36, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This O3FAR1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RTHFPFFSDVKGDHR, corresponding to amino acid residues 22-36 of mouse FFAR4
Isotype:	IgG
Characteristics:	Anti-GPR120/FFAR4 (extracellular) Antibody (ABIN7043397, ABIN7044281 and ABIN7044282)) is a highly specific antibody directed against an epitope of the mouse Free fatty acid receptor 4. The antibody can be used in western blot and indirect live cell flow cytometry. It has been designed to recognize FFAR4 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

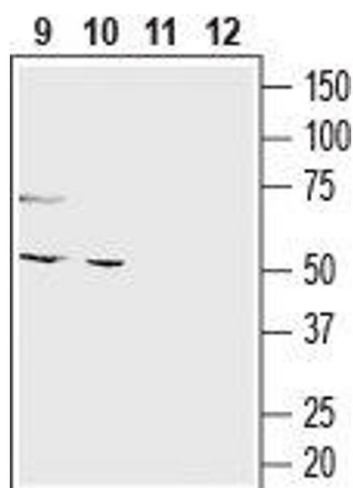
Target:	O3FAR1
Alternative Name:	GPR120/FFAR4 (O3FAR1 Products)
Background:	Alternative names: GPR120/FFAR4 (extracellular), GPR120, FFA4 Receptor , Free fatty acid receptor 4, Omega-3 fatty acid receptor 1, G-protein coupled receptor 120, G-protein coupled receptor GT01, O3far1
Gene ID:	107221
NCBI Accession:	NM_181745
UniProt:	Q7TMA4
Pathways:	Hormone Transport

Application Details

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

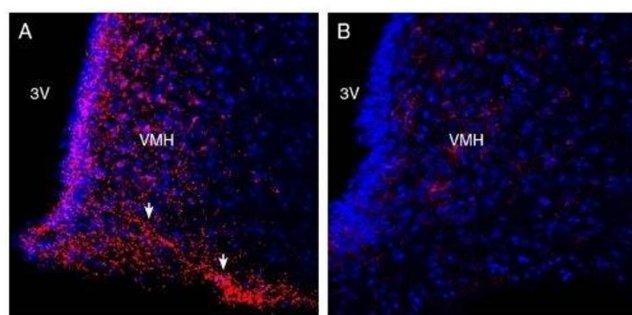
Handling

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>



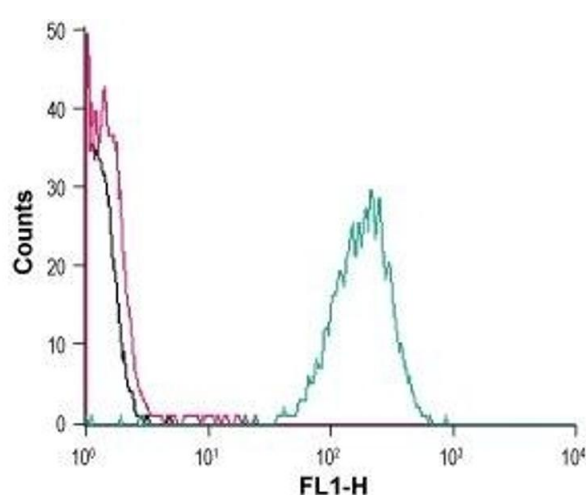
Western Blotting

Image 1. Western blot analysis of mouse colon (lanes 9 and 11) and human colorectal adenocarcinoma (Colo 205) cell line (lanes 10 and 12) lysates: - 9,10. Anti-GPR120/FFAR4 (extracellular) Antibody (ABIN7043397, ABIN7044281 and ABIN7044282), (1:200).11,12. Anti-GPR120/FFAR4 (extracellular) Antibody, preincubated with GPR120/FFAR4 (extracellular) Blocking Peptide (#BLP-FR014).



Immunohistochemistry

Image 2. Expression of FFAR4 in rat hypothalamus. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-GPR120/FFAR4 (extracellular) Antibody (ABIN7043397, ABIN7044281 and ABIN7044282), (1:1200), followed by biotinylated donkey anti-rabbit and streptavidin-Cy3. A. FFAR4 immunoreactivity (red) appears in axons beaded with varicosities (arrows). . B. Pre-incubation of the antibody with GPR120/FFAR4 (extracellular) Blocking Peptide (BLP-FR014), suppressed staining. Cell nuclei are stained with DAPI (blue). VMH = ventromedial hypothalamus, 3V = 3rd ventricle



Flow Cytometry

Image 3. Cell surface detection of FFAR4 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat anti-rabbit-FITC.(green line) Cells + Anti-GPR120/FFAR4 (extracellular) Antibody (ABIN7043397, ABIN7044281 and ABIN7044282), (2.5 μg/0.5x10⁶ cells) + goat anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043397.