

Datasheet for ABIN7043139 anti-FFAR2 antibody (2nd Extracellular Loop)

2 Images

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Overview

Quantity:	50 µL
Target:	FFAR2
Binding Specificity:	2nd Extracellular Loop, AA 153-167
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FFAR2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)TEQVRSGNEIT(S)YEN, corresponding to amino acid residues 153-167 of human FFAR2
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for mouse or rat samples.
Characteristics:	Anti-Human GPR43/FFAR2 (extracellular) Antibody (ABIN7043139, ABIN7044283 and ABIN7044284)) is a highly specific antibody directed against an epitope of the human Free fatty acid receptor 2. The antibody can be used in western blot and indirect live cell flow cytometry applications. It has been designed to recognize FFAR2 from human samples only. It will not recognize the protein from rat or mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

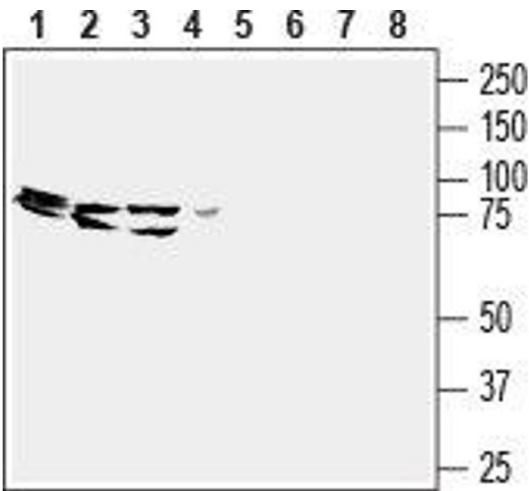
Target:	FFAR2
Alternative Name:	GPR43/FFAR2 (FFAR2 Products)
Background:	Alternative names: GPR43/FFAR2, G-protein coupled receptor 43, Free fatty acid receptor 2
Gene ID:	2867
NCBI Accession:	NM_005306
UniProt:	O15552

Application Details

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

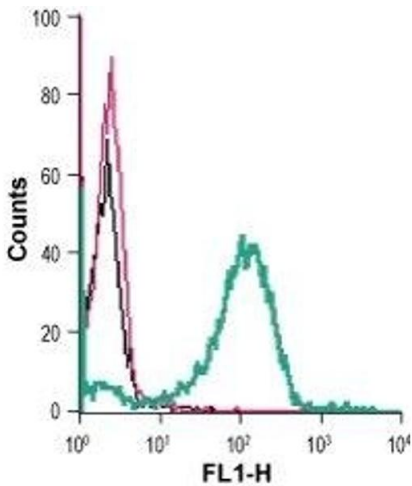
Handling

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 HT-29 colon adenocarcinoma cell line (lanes 1 and 5), human HL-60 promyelocytic leukemia cell line (lanes 2 and 6), human THP-1 monocytic leukemia cell line (lane 3 and 7) and human LoVo colorectal adenocarcinoma cell line (lanes 4 and 8) lysates: - 1-4. Anti-Human GPR43/FFAR2 (extracellular) Antibody (ABIN7043139, ABIN7044283 and ABIN7044284), (1:200). 5-8. Anti-Human GPR43/FFAR2 (extracellular) Antibody, preincubated with Human GPR43/FFAR2 (extracellular) Blocking Peptide (#BLP-FR015).



Flow Cytometry

Image 2. Cell surface detection of FFAR2 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Human GPR43/FFAR2 (extracellular) Antibody (ABIN7043139, ABIN7044283 and ABIN7044284), (2.5 µg) + goat-anti-rabbit-FITC.