Datasheet for ABIN7043146

anti-GPER antibody (3rd Extracellular Loop) (FITC)

2 Images

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Overview

Quantity:	50 µL
Target:	GPER
Binding Specificity:	3rd Extracellular Loop, AA 294-307
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPER antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CKQSFRHAYPLTGH, corresponding to amino acid residues 294 - 307 of mouse GPER1
Isotype:	IgG
Characteristics:	Anti-GPER1/GPR30 (extracellular) Antibody (ABIN7043145, ABIN7044265 and ABIN7044266)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and indirect live cell flow cytometry applications. It has been designed to recognize GPER1 from rat, mouse, and human samples. \n Anti-GPER1/GPR30 (extracellular)-FITC Antibody (ABIN7043144, ABIN7044267 and ABIN7044268)-F) is directly conjugated to fluorescein isothiocyanate (FITC). The antibody can be used in immunofluorescent applications such as direct live cell flow cytometry.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	GPER
Alternative Name:	GPER1/GPR30 (GPER Products)
Background:	Alternative names: G Protein-Coupled Estrogen Receptor 1, G Protein-Coupled Receptor 30, Membrane Estrogen Receptor, Chemoattractant Receptor-Like 2, GPER
Gene ID:	42648
NCBI Accession:	NM_001039966
UniProt:	Q99527
Pathways:	EGFR Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Carbohydrate Homeostasis, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process

Application Details

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

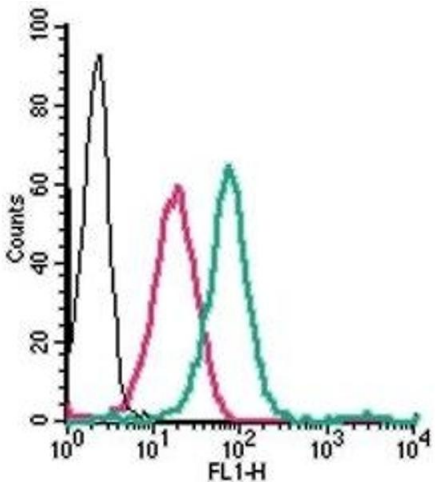
Handling

Format:	Lyophilized
Reconstitution:	15 µL or 50 µL double distilled water (DDW), depending on the sample size.
Concentration:	1 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

Handling

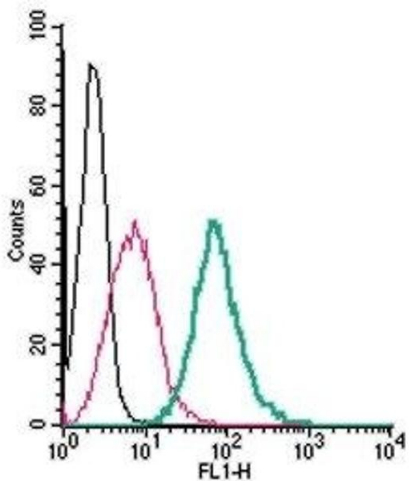
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Flow Cytometry

Image 1. Cell surface detection of GPER1 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-GPER1/GPR30 (extracellular)-FITC Antibody (ABIN7043146, ABIN7045514, ABIN7045515, ABIN7045516 and ABIN7045517), (2.5 µg).



Flow Cytometry

Image 2. Cell surface detection of GPER1 in live intact mouse J774 macrophage cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC.(green line) Cells + Anti-GPER1/GPR30 (extracellular)-FITC Antibody (ABIN7043146, ABIN7045514, ABIN7045515, ABIN7045516 and ABIN7045517), (2.5 µg).