Datasheet for ABIN7043563

anti-Prostacyclin Receptor antibody (3rd Extracellular Loop)

3 Images

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Overview

Quantity:	25 µL
Target:	Prostacyclin Receptor (PTGIR)
Binding Specificity:	3rd Extracellular Loop, AA 290-302
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)TQAIAPDSREMGD, corresponding to amino acid residues 290-302 of rat PTGIR
Isotype:	IgG
Characteristics:	Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody is directed against an epitope of rat the PGI2 receptor. Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody (ABIN7043563, ABIN7045122 and ABIN7045123)) can be used in western blot analysis. The antibody recognizes an extracellular epitope, ideal for detecting the receptor in living cells. It has been designed to recognize PGI2 receptor from human, mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

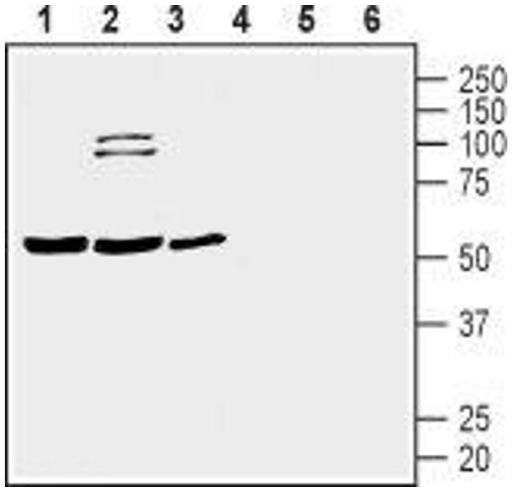
Target:	Prostacyclin Receptor (PTGIR)
Abstract:	PTGIR Products
Background:	Alternative names: Prostacyclin Receptor (PTGIR), Prostanoid IP receptor, Prostaglandin I2 receptor, PGI2 receptor
Gene ID:	292661
NCBI Accession:	NM_000960
UniProt:	P43253
Pathways:	cAMP Metabolic Process, Platelet-derived growth Factor Receptor Signaling, Thromboxane A2 Receptor Signaling

Application Details

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

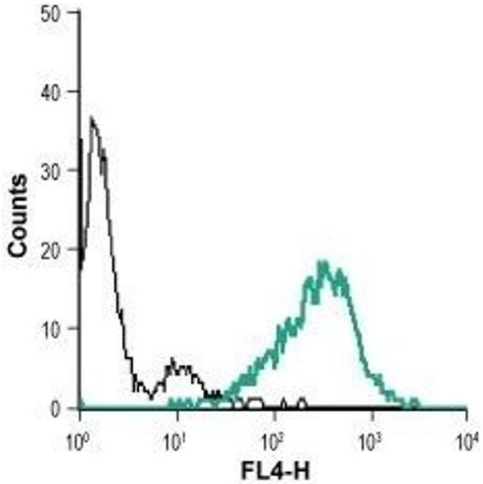
Handling

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).



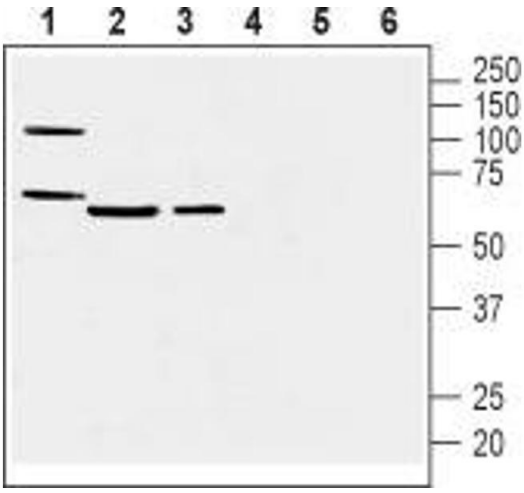
Western Blotting

Image 1. Western blot analysis of human Jurkat T-cell leukemia cell (lanes 1 and 4), human THP-1 monocytic leukemia cell (lanes 2 and 5) and human MEG-01 megakaryoblastic leukemia cell (lanes 3 and 6) lysates: - 1-3. Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody (ABIN7043563, ABIN7045122 and ABIN7045123), (1:200).4-6. Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody, preincubated with Prostacyclin Receptor/PTGIR (extracellular) Blocking Peptide (#BLP-PR068).



Flow Cytometry

Image 2. Cell surface detection of PTGIR in live intact human MEG-01 megakaryoblastic leukemia cell line: (black line) Unstained cells + goat anti-rabbit-AlexaFluor-647 secondary antibody. (green line) Cells + Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody (ABIN7043563, ABIN7045122 and ABIN7045123), (1:20) + goat anti-rabbit-AlexaFluor-647 secondary antibody.



Western Blotting

Image 3. Western blot analysis of mouse heart membranes (lanes 1 and 4), mouse lung lysate (lanes 2 and 5) and rat lung membranes (lanes 3 and 6): - 1-3. Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody (ABIN7043563, ABIN7045122 and ABIN7045123), (1:400).4-6. Anti-Prostacyclin Receptor (PTGIR) (extracellular) Antibody, preincubated with Prostacyclin Receptor/PTGIR (extracellular) Blocking Peptide (#BLP-PR068).