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Datasheet for ABIN1390494

anti-Prostacyclin Receptor antibody (AA 101-200) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	Prostacyclin Receptor (PTGIR)
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prostacyclin Receptor antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Prostaglandin I2 Receptor
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Prostacyclin Receptor (PTGIR)
Alternative Name:	Prostaglandin I2 Receptor (PTGIR Products)

Target Details

Background: Synonyms: IP, PGI receptor, PGI2 receptor, PI2R_HUMAN, PRIPR, Prostacyclin receptor, Prostaglandin I2 receptor, Prostanoid IP receptor, PTGIR.

Background: Cyclooxygenases metabolize arachidonate to five primary prostanoids: PGE2, PGF2?, PGI2, TXA2 and PGD2. These lipid mediators interact with specific members of G protein-coupled prostanoid receptors, designated EP, FP, IP, TP and DP, respectively. The IP Receptor binds prostacyclin, PGI2, the main pro-stanoid synthesized by vascular tissues. Upon binding to the IP Receptor, prostacyclin activates adenylate cyclase primarily through the Gas protein. The gene encoding the human IP Receptor is located on chromosome 19. It is expressed as a glycosylated and phosphorylated protein, which is abundantly expressed in vascular tissues such as aorta, lung, atrium and ventricle, as well as in kidney, thymus, spleen and neurons.

Pathways: [cAMP Metabolic Process](#), [Platelet-derived growth Factor Receptor Signaling](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months