

Datasheet for ABIN1944812

**anti-PTGDR antibody**[Go to Product page](#)

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1 Publication

## Overview

Quantity:	100 µg
Target:	PTGDR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGDR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Isotype:	IgG1
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## Target Details

Target:	PTGDR
Alternative Name:	PTGDR ( <a href="#">PTGDR Products</a> )
Background:	Receptor for prostaglandin D2 (PGD2). The activity of this receptor is mainly mediated by G(s) proteins that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. A mobilization of calcium is also observed, but without formation of inositol 1,4,5-trisphosphate (By similarity).
Molecular Weight:	40271 Da
Gene ID:	5729
UniProt:	<a href="#">Q13258</a>

## Target Details

Pathways: [Thromboxane A2 Receptor Signaling](#)

## Application Details

Application Notes: IF: 1:100. WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

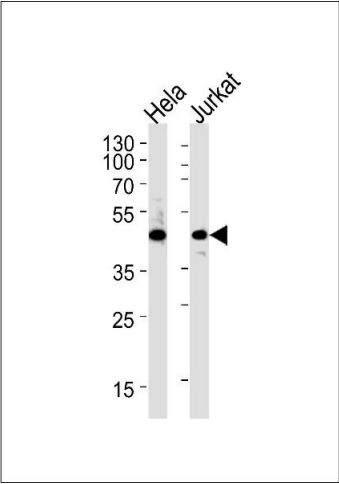
Storage: 4 °C, -20 °C

## Publications

Product cited in: Takeda, Kadowaki, Haga, Takaesu, Mitaku: "Identification of G protein-coupled receptor genes from the human genome sequence." in: **FEBS letters**, Vol. 520, Issue 1-3, pp. 97-101, (2002) ([PubMed](#)).

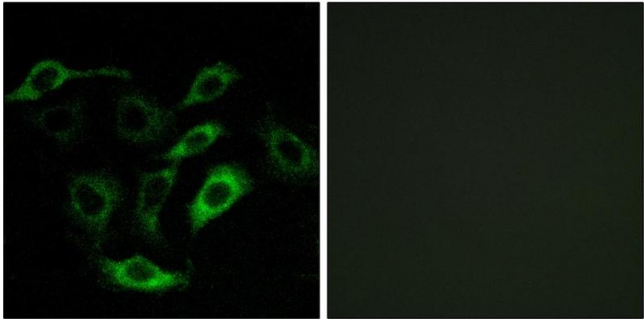
Communi, Gonzalez, Detheux, Brézillon, Lannoy, Parmentier, Boeynaems: "Identification of a novel human ADP receptor coupled to G(i)." in: **The Journal of biological chemistry**, Vol. 276, Issue 44, pp. 41479-85, (2001) ([PubMed](#)).

Wittenberger, Schaller, Hellebrand: "An expressed sequence tag (EST) data mining strategy succeeding in the discovery of new G-protein coupled receptors." in: **Journal of molecular biology**, Vol. 307, Issue 3, pp. 799-813, (2001) ([PubMed](#)).



Western Blotting

**Image 1.** Western blot analysis of lysates from HeLa, Jurkat cell line (from left to right), using PTGDR Antibody (ABIN486691 and ABIN1536072). ABIN486691 and ABIN1536072 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunofluorescence

**Image 2.** Immunofluorescence analysis of A549 cells, using PTGDR antibody.