

# PGE receptor EP1 (PTGER1) Rabbit pAb

Catalog No.: A2913

## Basic Information

### Observed MW

42kDa

### Calculated MW

42kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Mouse

## Background

The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

5731

### Swiss Prot

P34995

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 350-450 of human PGE receptor EP1 (PTGER1) (P34995).

### Synonyms

EP1; PGE receptor EP1 (PTGER1)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

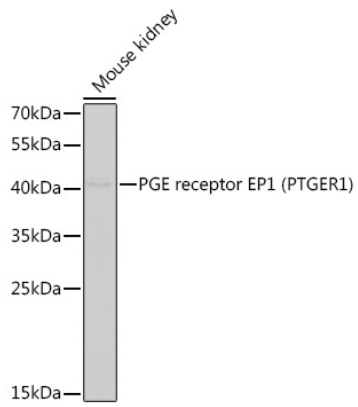
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from mouse kidney, using PGE receptor EP1 (PTGER1) Rabbit pAb (A2913) at 1:400 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).