

# PGE receptor EP4 (PTGER4) Rabbit pAb

Catalog No.: A20295

## Basic Information

### Observed MW

52kDa

### Calculated MW

53kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Rat

## 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). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

5734

### Swiss Prot

P35408

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-488 of human PGE receptor EP4 (PTGER4) (P35408).

### Synonyms

EP4; EP4R; PGE receptor EP4 (PTGER4)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

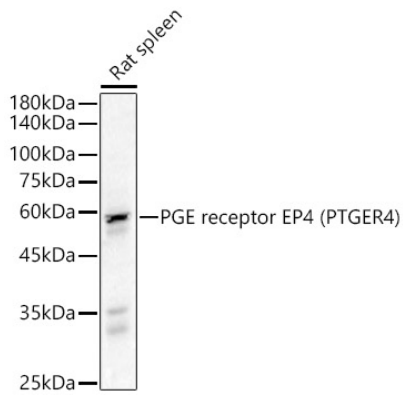
### Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of Rat spleen, using PGE receptor EP4 (PTGER4) antibody (A20295) at 1:1000 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 Basic Kit (RM00020).

Exposure time: 30s.