

## PTGER1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 42kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human PTGER1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

EP1;

**Catalog #:** A2913

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 5731

**Isotype:** IgG

**Swiss Prot:** P34995

**Purity:** Affinity purification

For research use only.

**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.

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