

## PTGER2

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**Reactivity:**Human

**Tested applications:**WB IF

**Recommended Dilution:**WB 1:500 - 1:2000 IF 1:100 - 1:200

**Calculated MW:**40kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human PTGER2

**Storage Buffer:**

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

**Synonym:**

EP2;

**Catalog #:**A2914

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5732

**Isotype:**IgG

**Swiss Prot:**P43116

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. Prostaglandin E2 receptor (53kDa), also known as EP2, is a prostaglandin receptor for prostaglandin E2. It is encoded by the human gene PTGER2. Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.

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