

## **EP1 Polyclonal Antibody**

**Catalog # AP73630** 

### **Specification**

## **EP1 Polyclonal Antibody - Product Information**

Application WB
Primary Accession P34995
Reactivity Human
Host Rabbit
Clonality Polyclonal

## **EP1 Polyclonal Antibody - Additional Information**

#### **Gene ID 5731**

#### **Other Names**

PTGER1; Prostaglandin E2 receptor EP1 subtype; PGE receptor EP1 subtype; PGE2 receptor EP1 subtype; Prostanoid EP1 receptor

#### **Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

## **Storage Conditions**

-20°C

#### **EP1 Polyclonal Antibody - Protein Information**

# Name PTGER1

#### **Function**

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.

## **Cellular Location**

Cell membrane; Multi-pass membrane protein.

## **Tissue Location**

Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart

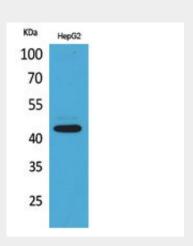
## **EP1 Polyclonal Antibody - Protocols**



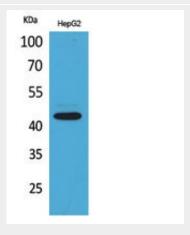
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **EP1 Polyclonal Antibody - Images**



Western Blot analysis of HepG2 cells using EP1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of HepG2 cells using EP1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

## **EP1 Polyclonal Antibody - Background**

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.