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# EP1 Polyclonal Antibody

Catalog # AP73630

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | P34995 |
| **Reactivity** | Human, Rat, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 41801 |

## Additional Information

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|---|---|
| **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. E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

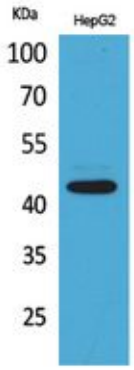
## Protein Information

| | |
|---|---|
| **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 |

## 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.

## Images




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.