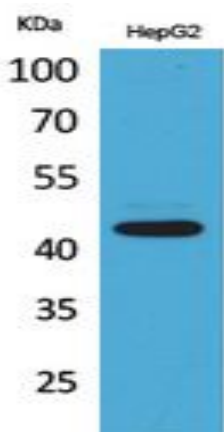


## EP1 Polyclonal Antibody

<b>Catalog No :</b>	YT5447
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	EP1
<b>Fields :</b>	>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction;>>Human cytomegalovirus infection;>>Pathways in cancer
<b>Gene Name :</b>	PTGER1
<b>Protein Name :</b>	Prostaglandin E2 receptor EP1 subtype
<b>Human Gene Id :</b>	5731
<b>Human Swiss Prot No :</b>	P34995
<b>Mouse Swiss Prot No :</b>	P35375
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human PTGER1. AA range:191-240
<b>Specificity :</b>	EP1 Polyclonal Antibody detects endogenous levels of EP1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 44kD**Cell Pathway :** Calcium;Neuroactive ligand-receptor interaction;**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. [provided by RefSeq, Jul 2008],**Function :** 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.,PTM:Phosphorylated .,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart.,**Subcellular Location :** Cell membrane; Multi-pass membrane protein.**Expression :** Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart.

## Products Images



Western Blot analysis of HepG2 cells using EP1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000