

EP1 Rabbit pAb

CatalogNo: YT5447

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 44kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from the Internal region of human PTGER1. AA range:191-240

Specificity EP1 Polyclonal Antibody detects endogenous levels of EP1 protein.

Target Information

Gene name PTGER1

Protein Name Prostaglandin E2 receptor EP1 subtype

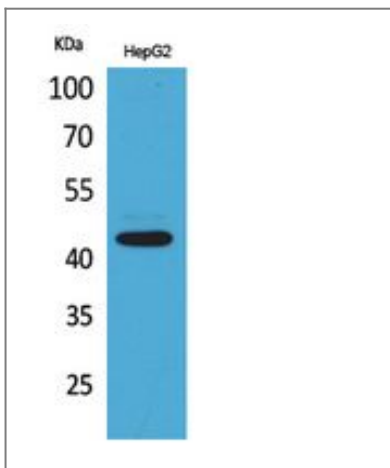
Organism	Gene ID	UniProt ID
Human	5731 ;	P34995 ;
Mouse		P35375 ;

Cellular Localization Cell membrane; Multi-pass membrane protein.

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.

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.,

Validation Data



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

Contact information

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