

## **Product datasheet for TA321244**

## **EP4 (PTGER4) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 500-2000

WB positive control: LoVo cells

Reactivity: Human
Host: Rabbit
Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Synthetic peptide corresponding to a region derived from 458-473 amino acids of Human

prostaglandin E receptor 4 (subtype EP4)

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

**Concentration:** lot specific

**Purification:** Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 53 kDa

**Gene Name:** prostaglandin E receptor 4

Database Link: NP 000949

Entrez Gene 5734 Human

P35408

**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). This receptor can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1); regulate the level and stability of cyclooxygenase-2 mRNA; and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system;

osteoporosis; as well as initiation of skin immune responses.



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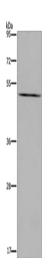


**Synonyms:** EP4; EP4R

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

## **Product images:**



Gel: 8%SDS-PAGE Lysate: 40 μg Lane: LoVo cells

Primary antibody: TA321244 (PTGER4 Antibody)

at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 1 minute