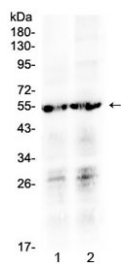


## PTGER4 Antibody / EP4 / Prostaglandin E Receptor 4 (R32713)

Catalog No.	Formulation	Size
R32713	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
<b>UniProt</b>	P35408
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This PTGER4 antibody is available for research use only.



Western blot testing of human 1) SW620 and 2) MCF7 cell lysate with PTGER4 antibody at 0.5ug/ml. Predicted molecular weight ~53 kDa.

### Description

Prostaglandin E2 receptor 4 (EP4) is a prostaglandin receptor encoded by the PTGER4 gene in humans. 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.

### Application Notes

Optimal dilution of the PTGER4 antibody should be determined by the researcher.

## **Immunogen**

Amino acids 311-345 (DLQAIRIASVNPILDPWIYILLRKTVLSKAIEKIK) from the human protein were used as the immunogen for the PTGER4 antibody.

## **Storage**

After reconstitution, the PTGER4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.