

PTGER4

Reactivity:Human Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:53kDa

Observed MW:Refer to figures

Immunogen:

A synthetic peptide of human PTGER4

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

EP4; EP4R;

Catalog #:A2915

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5734

Isotype:IgG

Swiss Prot:P35408

Purity:Affinity purification

For research use only.

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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