

Product datasheet for **TA371112**

EP4 (PTGER4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Raji cells
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PTGER4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	53 kDa
Gene Name:	prostaglandin E receptor 4
Database Link:	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.

Synonyms: EP4; EP4R; MGC126583; PTGER2



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Product images:



Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane: Raji cells
Primary antibody: TA371112 (PTGER4 Antibody)
at dilution 1/450
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 1 minute