

Product datasheet for **TA323517**

EP1 (PTGER1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Jurkat cells
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 399-402 amino acids of Human prostaglandin E receptor 1 (subtype EP1), 42kDa
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 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:	42 kDa
Gene Name:	prostaglandin E receptor 1
Database Link:	NP_000946 Entrez Gene 19216 Mouse Entrez Gene 25637 Rat Entrez Gene 5731 Human P34995
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 E ₂ (PGE ₂). Through a phosphatidylinositol-calcium second messenger system; G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin.
Synonyms:	EP1



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Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Product images:



Gel: 10%SDS-PAGE
Lysate: 40 μ g
Lane: Jurkat cells
Primary antibody: TA323517 (PTGER1 Antibody)
at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 2 minutes