

## Product datasheet for TA302476

### EP4 (PTGER4) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:16,000. WB: 0.1-0.3µg/ml.
Reactivity:	Human (Expected from sequence similarity: Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-LEREVSKNPDLQA, from the internal region of the protein sequence according to NP_000949.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56747 Da
Gene Name:	prostaglandin E receptor 4
Database Link:	<a href="#">NP_000949</a> <a href="#">Entrez Gene 403589</a> <a href="#">Dog</a> <a href="#">Entrez Gene 5734</a> <a href="#">Human</a>
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. [provided by RefSeq]
Synonyms:	EP4; EP4R



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Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

### Product images:



TA302476 (0.1ug/ml) staining of Human Testes lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.