



## Anti-PTGER4 (aa 379-488) polyclonal antibody (DPAB-DC2577)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PTGER4 (NP_000949, 379 a.a. ~ 488 a.a) partial recombinant protein with GST tag. The sequence is  SFISRELKEISSTSQTLLPDLSLPDLSENGLGGRNLLPGVPGMGLAQEDTTSLRTLRISE TSDSSQQDSESVLLVDEAGGSGRAGPAPKGSSLQVTFPSETNLSEKCI
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">PTGER4 prostaglandin E receptor 4 (subtype EP4) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PTGER4
<b>Synonyms</b>	PTGER4; prostaglandin E receptor 4 (subtype EP4); EP4; EP4R; prostaglandin E2 receptor EP4 subtype; prostanoid EP4 receptor; PGE receptor EP4 subtype; PGE receptor, EP4 subtype; PGE2 receptor EP4 subtype;
<b>Entrez Gene ID</b>	<a href="#">5734</a>
<b>Protein Refseq</b>	<a href="#">NP_000949</a>
<b>UniProt ID</b>	<a href="#">A0PJF5</a>
<b>Chromosome Location</b>	5p13.1
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors); G alpha (s) signalling events; GPCR ligand binding; Inflammatory mediator regulation of TRP channels
<b>Function</b>	prostaglandin E receptor activity; protein binding;

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