



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

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

GENE INFORMATION

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