



Human PTGER1 blocking peptide (CDBP1132)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-EP1 receptor/PTGER1 antibody
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). 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 algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PTGER1 prostaglandin E receptor 1 (subtype EP1), 42kDa [Homo sapiens (human)]
Official Symbol	PTGER1
Synonyms	PTGER1; prostaglandin E receptor 1 (subtype EP1), 42kDa; EP1; prostaglandin E2 receptor EP1 subtype; prostanoid EP1 receptor; PGE receptor EP1 subtype; PGE receptor, EP1

subtype; PGE2 receptor EP1 subtype; prostaglandin E receptor 1, subtype EP1;

Entrez Gene ID	5731
mRNA Refseq	NM_000955.2
Protein Refseq	NP_000946.2
UniProt ID	P34995
Chromosome Location	19p13.1
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Eicosanoid ligand-binding receptors, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Gastrin-CREB signalling pathway via P
Function	prostaglandin E receptor activity;