

PTGER1 Rabbit pAb

Catalog # AP98284

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P34995
Other Accession	P34995
Reactivity	Rat, Mouse
Predicted	Human, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41801
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Prostaglandin E Receptor EP1
Epitope Specificity	61-160/402
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PTGER1 is a subtype 1 receptor for prostaglandin E2 (PGE2). This receptor is coupled to the phosphatidylinositol-calcium second messenger system by G(q) proteins. PTGER1 may be an important modulator of renal function and is implicated in the smooth muscle contractile response to PGE2 in various tissues.

Additional Information

Gene ID	5731
Other Names	EP1; Ptgerep1; PE2R1_HUMAN; PTGER1; PGE receptor EP1 subtype; PGE2 receptor EP1 subtype; Prostanoid EP1 receptor; PE2R1_MOUSE; PE2R1_RAT; prostaglandin E receptor 1; prostaglandin E receptor 1 (subtype EP1), 42kD; prostaglandin E receptor 1 (subtype EP1), 42kDa
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug /Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PTGER1
Function	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Abundant in kidney. Lower level expression in lung, skeletal muscle and spleen, lowest expression in testis and not detected in liver brain and heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.