

EP4 Rabbit pAb

Catalog # AP96736

Product Information

Application	WB
Primary Accession	P32240
Other Accession	P32240
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56158
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse EP4R/Prostaglandin E Receptor EP4
Epitope Specificity	151-250/488
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.
SUBUNIT	Interacts with FEM1A.
Post-translational modifications	Phosphorylation mediates agonist-mediated desensitization by promoting cytoplasmic retention.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Additional Information

Gene ID	19219
Other Names	EP4; EP4R; Ptgerrep4; Ptger; PGE2R-EP4; PE2R4_HUMAN; PTGER4; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype; Prostanoid EP4 receptor; PTGER2; PE2R4_MOUSE; PE2R4_RAT; prostaglandin E receptor 4; prostaglandin E receptor 4 (subtype EP4)
Dilution	WB=1:500-2000,Flow-Cyt=2ug/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	Ptger4
Synonyms	Ptgerep4
Function	Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Abundant expression in ileum, thymus and mastocytoma P-815 cells. Also observed in lung, spleen, heart and uterus

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