

产品名称: EP4 Rabbit Polyclonal Antibody
产品货号: APRab10498



产品概述 (Summary)

产品名称 (Production Name)	EP4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PTGER4
别名 (Alternative Names)	PTGER4; PTGER2; Prostaglandin E2 receptor EP4 subtype; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype; Prostanoid EP4 receptor
基因 ID (Gene ID)	5734.0
蛋白 ID (SwissProt ID)	P35408. The antiserum was produced against synthesized peptide derived from human PE2R4. AA range: 321-370

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	55kDa

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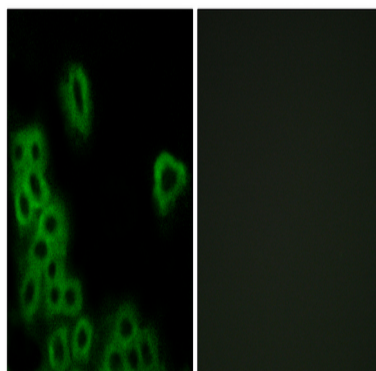
研究背景 (Background)

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. [provided by RefSeq, Jul 2008],caution:Was originally designated as the EP2 subtype.,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.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with FEM1A.,tissue specificity:High in intestine and in peripheral blood mononuclear cells; low in lung, kidney, thymus, uterus, vasculature and brain. Not found in liver, heart, retina or skeletal muscle.,

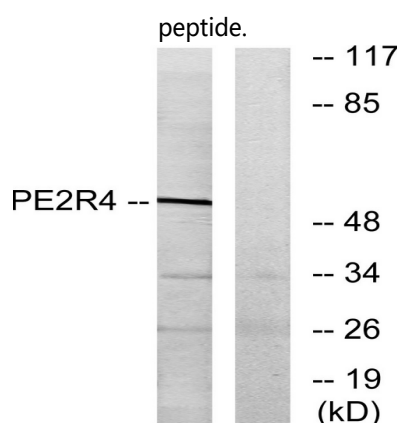
研究领域 (Research Area)

Neuroactive ligand-receptor interaction;

图片 (Image Data)



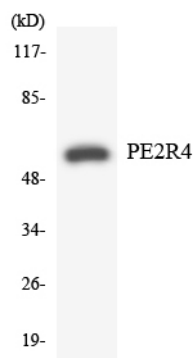
Immunofluorescence analysis of MCF7 cells, using PE2R4 Antibody. The picture on the right is blocked with the synthesized



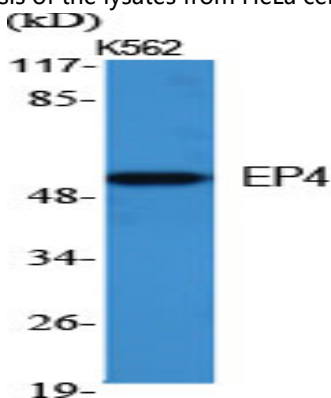
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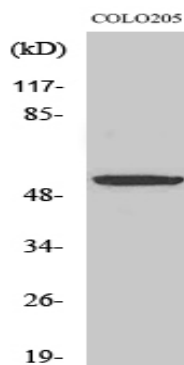
Western blot analysis of lysates from COLO205 cells, using PE2R4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using PE2R4 antibody.



Western Blot analysis of various cells using EP4 Polyclonal Antibody



Western Blot analysis of COLO205 cells using EP4 Polyclonal Antibody

注意事项 (Note)

For research use only .