

产品名称: EDG-4 Rabbit Polyclonal Antibody
产品货号: APRab10300



产品概述 (Summary)

产品名称 (Production Name)	EDG-4 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, Mouse, Monkey

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)	LPAR2
别名 (Alternative Names)	LPAR2; EDG4; LPA2; Lysophosphatidic acid receptor 2; LPA receptor 2; LPA-2; Lysophosphatidic acid receptor Edg-4
基因 ID (Gene ID)	9170.0
蛋白 ID (SwissProt ID)	Q9HBW0. The antiserum was produced against synthesized peptide derived from human EDG4. AA range: 271-320

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	39kDa

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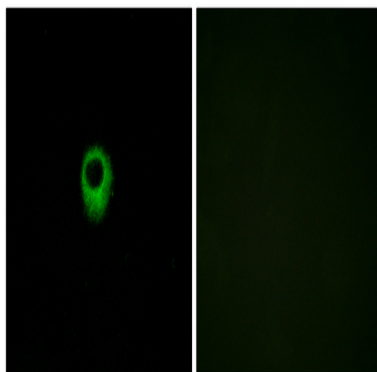
研究背景 (Background)

lysophosphatidic acid receptor 2(LPAR2) Homo sapiens This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca^{2+} mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008],function:Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Seems to be coupled to the G(i)/G(o) , G(12)/G(13) , and G(q) families of heteromeric G proteins. Plays a key role in phospholipase C-beta (PLC-beta) signaling pathway.,miscellaneous:PubMed:9525886 cDNA clone has a guanine nucleotide deletion that causes a frameshift near its C-terminal coding region. This likely reflects a somatic mutation in the ovary tumor cells from which the cDNA was isolated and may have altered the function of the encoded receptor, and contributed to transformation of the original ovary cells that formed a tumor.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with SLC9A3R2/NHERF2, MAGI3 and PLCB3.,tissue specificity:Expressed most abundantly in testes and peripheral blood leukocytes with less expression in pancreas, spleen, thymus and prostate. Little or no expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney, ovary, small intestine, or colon.,

研究领域 (Research Area)

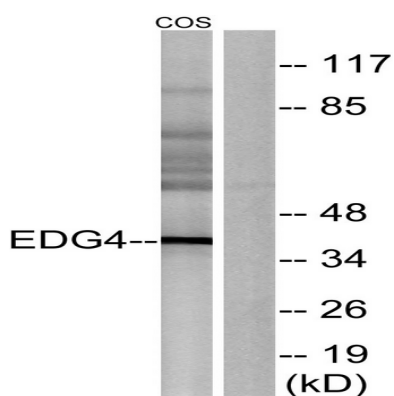
Neuroactive ligand-receptor interaction;

图片 (Image Data)

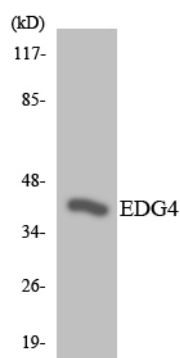


Immunofluorescence analysis of MCF7 cells, using EDG4 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 cells, using EDG4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using EDG4 antibody.

注意事项 (Note)

For research use only .