产品名称：EDG-8 Rabbit Polyclonal Antibody
产品货号：APRab10304

产品概述（Summary）

产品名称（Production Name）	EDG-8 Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	IHC,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）	S1PR5
别名（Alternative Names）	S1PR5; EDG8; Sphingosine 1-phosphate receptor 5; S1P receptor 5; S1P5; Endothelial differentiation G-protein-coupled receptor 8; Sphingosine 1-phosphate receptor Edg-8; S1P receptor Edg-8
基因 ID（Gene ID）	53637.0
蛋白 ID（SwissProt ID）	Q9H228.The antiserum was produced against synthesized peptide derived from human EDG8. AA range:335-384

产品应用（Application）

稀释比（Dilution Ratio）	IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量（Molecular Weight）	

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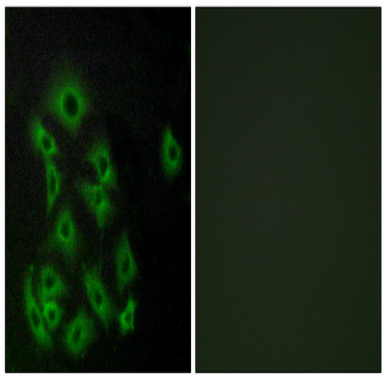
研究背景（Background）

The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM, Mar 2008],developmental stage:At 24 weeks of gestation, fragments of radial glial fibers are positive within the cortical plate and subplate of allocortical areas. These positive fragments often appear enlarged as varicosities and some of them terminate at blood vessels. Between 28 and 30 weeks of gestation, all iso- and allocortical areas contain immunolabelled radial glial fibers revealing curvature next to sulci. After 32 weeks of gestation, radial glial fibers gradually disappear; instead positive transitional stages between radial glia and astrocytes were found.,disease:Overexpressed in leukemic large granular lymphocyte (LGL). LGL is a lymphopropliferative disorder often associated with autoimmune disease.,function:Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta, and fetal spleen. Low-level signal detected in many tissue extracts. Isoform 1 is predominently expressed in peripheral tissues, whereas isoform 2 is expressed in brain, spleen and peripheral blood leukocytes.,

研究领域（Research Area）

Neuroactive ligand-receptor interaction;

图片（Image Data）



Immunofluorescence analysis of A549 cells, using EDG8 Antibody. The picture on the right is blocked with the synthesized peptide.

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注意事项（Note）

For research use only .