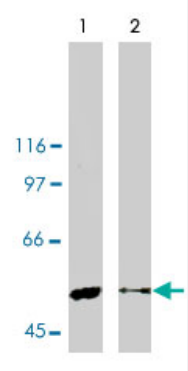
LPAR1 polyclonal antibody

Catalog # PAB10126 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis using LPAR1 polyclonal antibody (Cat # PAB10126) on McA-RH7777 cells transfected with LPAR1 protein at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LPAR1.
Immunogen	A synthetic peptide corresponding to C-terminus of LPAR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western blot (5 to 10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Western Blot (Transfected lysate)

  Western blot analysis using LPAR1 polyclonal antibody (Cat # PAB10126) on McA-RH7777 cells transfected with LPAR1 protein at 5 ug/mL .

Gene Info — LPAR1

Entrez GeneID	1902
Gene Name	LPAR1
Gene Alias	EDG2, GPR26, Gpcr26, LPA1, Mrec1.3, VZG1, edg-2, rec.1.3, vzg-1
Gene Description	lysophosphatidic acid receptor 1
Omim ID	602282
Gene Ontology	Hyperlink
Gene Summary	The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Two transcript variants encoding the same protein have been identified for this gene [provided by RefSeq
Other Designations	OTTHUMP00000021903|OTTHUMP00000021904|OTTHUMP00000021905|endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2|ventricular zone gene 1

Publication Reference

- Lysophosphatidic acid receptor-selective effects on Jurkat T cell migration through a Matrigel model basement membrane.

  Zheng Y, Kong Y, Goetzl EJ.

  The Journal of Immunology 2001 Feb; 166(4):2317.

  Application: WB-Tr, Human, Jurkat-T, HTC4 cells

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- Lysophosphatidic acid and sphingosine 1-phosphate protection of T cells from apoptosis in association with suppression of Bax.

  Goetzl EJ, Kong Y, Mei B.

  Journal of Immunology 1999 Feb; 162(4):2049.

- A single receptor encoded by vzg-1/lpA1/edg-2 couples to G proteins and mediates multiple cellular responses to lysophosphatidic acid.

  Fukushima N, Kimura Y, Chun J.

  PNAS 1998 May; 95(11):6151.

Pathway

- Gap junction
- Neuroactive ligand-receptor interaction

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Osteoarthritis

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