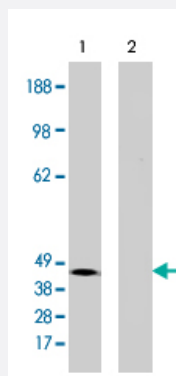


# LPAR2 polyclonal antibody

Catalog # PAB10124

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western blot analysis using LPAR2 polyclonal antibody (Cat # PAB10124) at 5 ug/mL on McA-RH7777 cells transfected with LPAR2 protein in the absence (lane 1) and presence (lane 2) of blocking peptide.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of LPAR2.
<b>Immunogen</b>	A synthetic peptide corresponding to N-terminus of human LPAR2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	Western blot (5 to 10 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.08% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis using LPAR2 polyclonal antibody (Cat # PAB10124) at 5 ug/mL on McA-RH7777 cells transfected with LPAR2 protein in the absense (lane 1) and presense (lane 2) of blocking peptide.

## Gene Info — LPAR2

Entrez GeneID	<a href="#">9170</a>
Gene Name	LPAR2
Gene Alias	EDG-4, EDG4, FLJ93869, LPA2
Gene Description	lysophosphatidic acid receptor 2
Omim ID	<a href="#">605110</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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 <sup>2+</sup> 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]
Other Designations	G protein-coupled receptor LPA receptor EDG4 endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4 lysophosphatidic acid receptor EDG4

## Publication Reference

- [LPA2 receptor mediates mitogenic signals in human colon cancer cells.](#)

Yun CC, Sun H, Wang D, Rusovici R, Castleberry A, Hall RA, Shim H.

American Journal of Physiology. Cell Physiology 2005 Jul; 289(1):C2.

Application: WB-Ce, WB-Tr, Human, SW480, Caco-2 cells

- [Diversity of cellular receptors and functions for the lysophospholipid growth factors lysophosphatidic acid and sphingosine 1-phosphate.](#)

Goetzl EJ, An S.

FASEB Journal 1998 Dec; 12(15):1589.

- [Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate.](#)

An S, Goetzl EJ, Lee H.

Journal of Cellular Biochemistry. Supplement 1998 Dec; 30:147.

## Pathway

- [Neuroactive ligand-receptor interaction](#)