

Datasheet for ABIN681103  
**anti-LPAR1 antibody (AA 281-364)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	LPAR1
Binding Specificity:	AA 281-364
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPAR1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EDG2/LPAR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Horse,Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	LPAR1
Alternative Name:	LPAR1 ( <a href="#">LPAR1 Products</a> )

## Target Details

Background:	Synonyms: EDG2, LPA1, VZG1, GPR26, edg-2, vzg-1, Gpcr26, Mrec1.3, rec.1.3, Lysophosphatidic acid receptor 1, LPA receptor 1, LPA-1, Lysophosphatidic acid receptor Edg-2, LPAR1 Background: 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. Stimulates phospholipase C (PLC) activity in a manner that is dependent on RALA activation.
Gene ID:	1902
UniProt:	<a href="#">Q92633</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

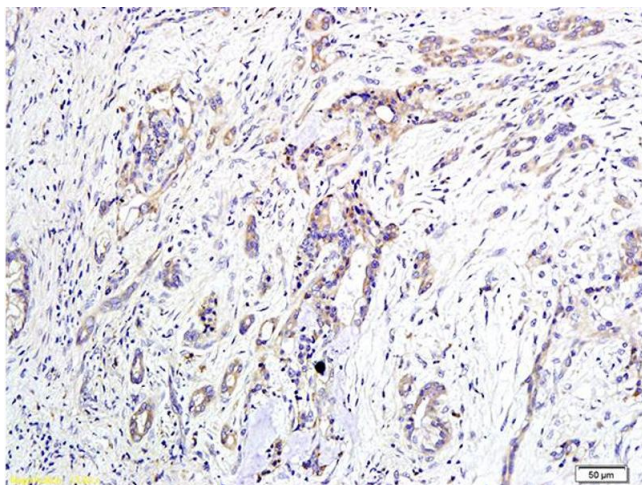
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

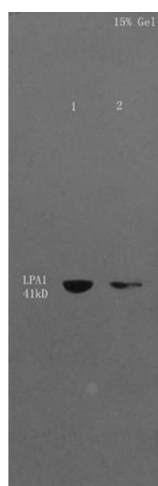
Product cited in:	Chen, Zhang, Deng, Liu, Yang, Wu, Yu: "Lysophosphatidic acid directly induces macrophage-derived foam cell formation by blocking the expression of SRBI." in: <b>Biochemical and biophysical research communications</b> , Vol. 491, Issue 3, pp. 587-594, (2017) ( <a href="#">PubMed</a> ).
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## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human pancreatic cancer labeled with Anti-EDG2/LPA1 Polyclonal Antibody, Unconjugated (ABIN681103) at 1:400 followed by conjugation to the secondary antibody and DAB staining



### SDS-PAGE

**Image 2.** L1 Mouse liver lysates, L2 Mouse cerebrum lysates probed with Anti- EDG2/LPA1 Polyclonal Antibody, Unconjugated (ABIN681103) at 1:300 in 4 °C. Followed by conjugation to secondary antibody at 1:2000 90min in 37 °C. Predicted band and observed band size: 41kD