

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10695**

**Specification**

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**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9HBW0</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Additional Information**

**Other Names**

Lysophosphatidic acid receptor 2, LPA receptor 2, LPA-2, Lysophosphatidic acid receptor Edg-4, LPAR2, EDG4, LPA2

**Target/Specificity**

Human LPAR2 / EDG4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

LPAR2 / EDG4 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Protein Information**

**Name** LPAR2 ([HGNC:3168](#))

**Synonyms** EDG4, LPA2

**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. Stimulates phospholipase C (PLC) activity in a manner that is independent of RALA activation.

**Cellular Location**

Cell surface. Cell membrane; Multi-pass membrane protein. Note=Prior to LPA treatment found predominantly at the cell surface but in the presence of LPA colocalizes with RALA in the endocytic vesicles

**Tissue Location**

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

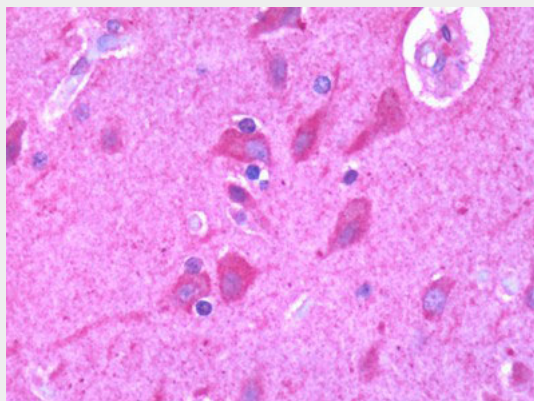
**Volume**

50  $\mu$ l

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Images**

Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - Background**

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**LPAR2 / EDG4 Antibody (Cytoplasmic Domain) - References**

An S., et al. J. Biol. Chem. 273:7906-7910(1998).  
Bandoh K., et al. FEBS Lett. 478:159-165(2000).  
An S., et al. Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.  
Kopatz S.A., et al. Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.  
Grimwood J., et al. Nature 428:529-535(2004).