

**LPAR4 / GPR23 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10461****Specification**

---

**LPAR4 / GPR23 Antibody (N-Terminus) - Product Information**

|                   |                               |
|-------------------|-------------------------------|
| Application       | IHC                           |
| Primary Accession | <a href="#">Q99677</a>        |
| Reactivity        | Human, Mouse, Hamster, Monkey |
| Host              | Rabbit                        |
| Clonality         | Polyclonal                    |
| Calculated MW     | 42kDa KDa                     |

**LPAR4 / GPR23 Antibody (N-Terminus) - Additional Information****Gene ID** 2846**Other Names**

Lysophosphatidic acid receptor 4, LPA receptor 4, LPA-4, G-protein coupled receptor 23, P2Y purinoceptor 9, P2Y9, P2Y5-like receptor, Purinergic receptor 9, LPAR4, GPR23, LPA4, P2RY9

**Target/Specificity**

Human LPAR4 / GPR23. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

LPAR4 / GPR23 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**LPAR4 / GPR23 Antibody (N-Terminus) - Protein Information****Name** LPAR4**Synonyms** GPR23, LPA4, P2RY9**Function**

Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1- oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1-alkyl- > 1- alkenyl-LPA.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

High expression in ovary. Not detected in the brain regions thalamus, putamen, caudate, frontal cortex, pons, hypothalamus and hippocampus.

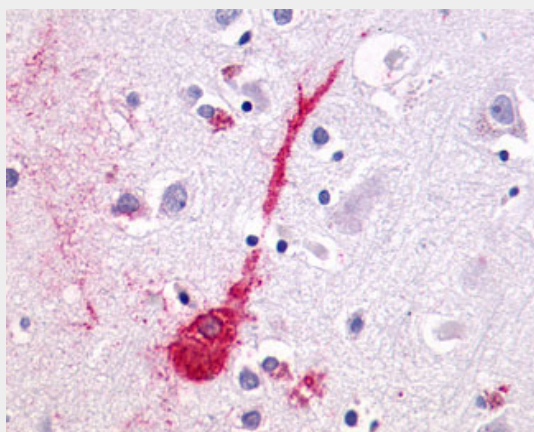
**Volume**

50 µl

**LPAR4 / GPR23 Antibody (N-Terminus) - 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](#)

**LPAR4 / GPR23 Antibody (N-Terminus) - Images**

Anti-LPAR4 / GPR23 antibody IHC of human brain neuron.

**LPAR4 / GPR23 Antibody (N-Terminus) - Background**

Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1-oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1- alkyl- > 1-alkenyl-LPA.

**LPAR4 / GPR23 Antibody (N-Terminus) - References**

O'Dowd B.F.,et al.Gene 187:75-81(1997).  
Bohm S.K.,et al.Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.  
Janssens R.,et al.Biochem. Biophys. Res. Commun. 236:106-112(1997).  
Kopatz S.A.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).