

**LPAR6 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12707c****Specification**

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**LPAR6 Antibody (Center) - Product Information**

|                   |   |
|-------------------|---|
| Application       | <b>WB, IHC-P,E</b>  |
| Primary Accession | <a href="#">P43657</a>  |
| Other Accession   | <a href="#">O4G072</a> , <a href="#">O8BMC0</a> , <a href="#">NP_001155970.1</a> ,<br><a href="#">NP_005758.2</a> |
| Reactivity        | <b>Human, Mouse, Rat</b>  |
| Predicted         | <b>Rat</b>  |
| Host              | <b>Rabbit</b>   |
| Clonality         | <b>Polyclonal</b>   |
| Isotype           | <b>Rabbit IgG</b>   |
| Antigen Region    | <b>106-134</b>  |

**LPAR6 Antibody (Center) - Additional Information****Gene ID** 10161**Other Names**

Lysophosphatidic acid receptor 6, LPA receptor 6, LPA-6, Oleoyl-L-alpha-lysophosphatidic acid receptor, P2Y purinoceptor 5, P2Y5, Purinergic receptor 5, RB intron encoded G-protein coupled receptor, LPAR6, P2RY5

**Target/Specificity**

This LPAR6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from the Central region of human LPAR6.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

LPAR6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**LPAR6 Antibody (Center) - Protein Information**

**Name** LPAR6

**Synonyms** P2RY5

**Function** Binds to oleoyl-L-alpha-lysophosphatidic acid (LPA). Intracellular cAMP is involved in the receptor activation. Important for the maintenance of hair growth and texture.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

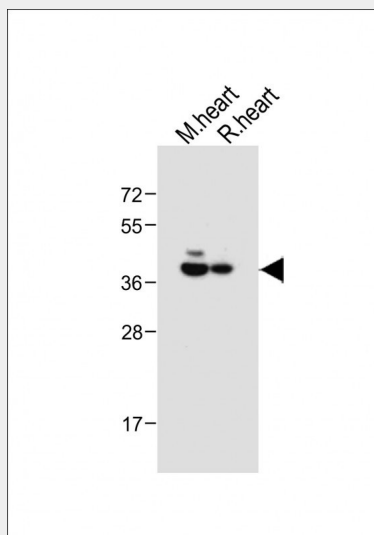
Expressed ubiquitously, including in skin and hair follicle cells. Detected in both Henle's and Huxley's layers of the inner root sheath of the hair follicle and in suprabasal layers of the epidermis (at protein level). Expressed at low levels in peripheral blood leukocytes.

**LPAR6 Antibody (Center) - Protocols**

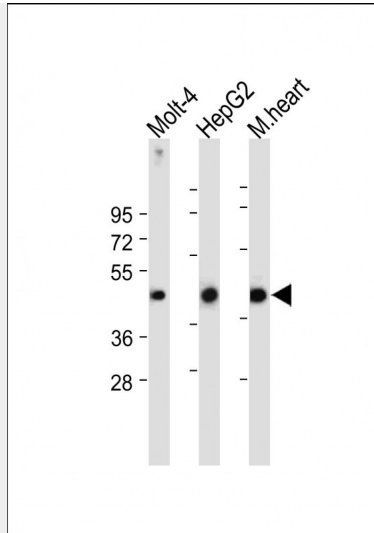
Provided below are standard protocols that you may find useful for product applications.

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

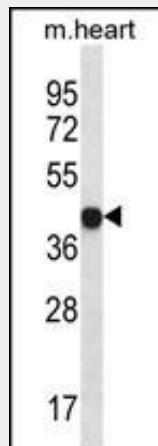
**LPAR6 Antibody (Center) - Images**



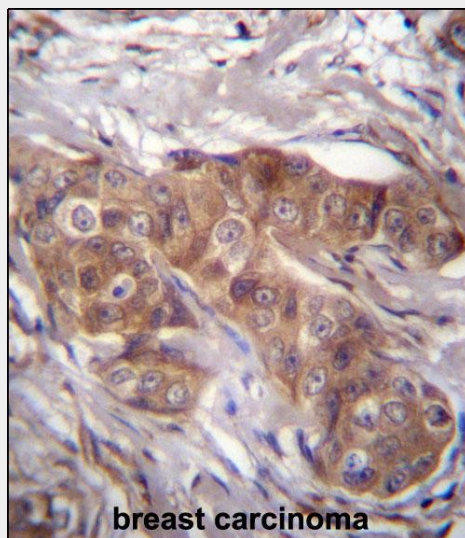
All lanes : Anti-LPAR6 Antibody (Center) at 1:1000 dilution Lane 1: Mouse heart tissue lysate Lane 2: Rat heart tissue lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-LPAR6 Antibody (Center) at 1:2000 dilution Lane 1: Molt-4 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Mouse heart tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



LPAR6 Antibody (Center) (Cat. #AP12707c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the LPAR6 antibody detected the LPAR6 protein (arrow).



LPAR6 Antibdy (Center) (Cat. #AP12707c)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of LPAR6 Antibdy (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### **LPAR6 Antibody (Center) - Background**

The protein encoded by this gene belongs to the family of G-protein coupled receptors, that are preferentially activated by adenosine and uridine nucleotides. This gene aligns with an internal intron of the retinoblastoma susceptibility gene in the reverse orientation. Alternative splicing results in multiple transcript variants.

### **LPAR6 Antibody (Center) - References**

Pasternack, S.M., et al. Arch. Dermatol. Res. 301(8):621-624(2009)  
Yanagida, K., et al. J. Biol. Chem. 284(26):17731-17741(2009)  
Tariq, M., et al. Br. J. Dermatol. 160(5):1006-1010(2009)  
Shimomura, Y., et al. J. Invest. Dermatol. 129(3):622-628(2009)  
Dereure, O. Ann Dermatol Venereol 135(11):794-795(2008)

### **LPAR6 Antibody (Center) - Citations**

- [Lysophosphatidic Acid Receptor 6 \(LPAR6\) Expression and Prospective Signaling Pathway Analysis in Breast Cancer.](#)