

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

Specification

LPAR6 Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	P43657
Other Accession	Q4G072 , Q8BMC0 , NP_001155970.1 , NP_005758.2
Reactivity	Human, Mouse, Rat
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	106-134

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

IHC-P~~1:10~50

WB~~1:2000

E~~Use at an assay dependent concentration.

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

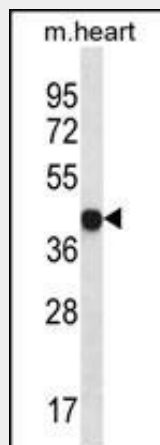
Expressed ubiquitously, including in skin and hair follicle cells. Detected in both Henle's and Huxley's layers of the inner root sheath of the hair follicle and in suprabasal layers of the epidermis (at protein level). Expressed at low levels in peripheral blood leukocytes.

LPAR6 Antibody (Center) - Protocols

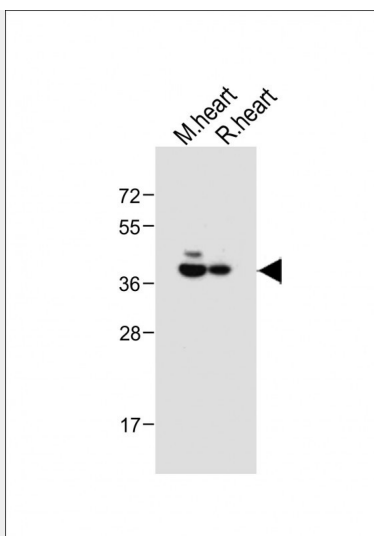
Provided below are standard protocols that you may find useful for product applications.

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

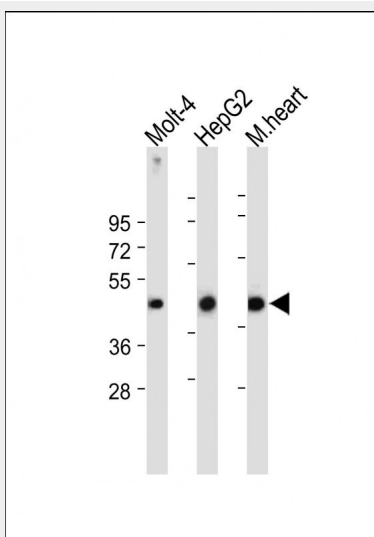
LPAR6 Antibody (Center) - Images



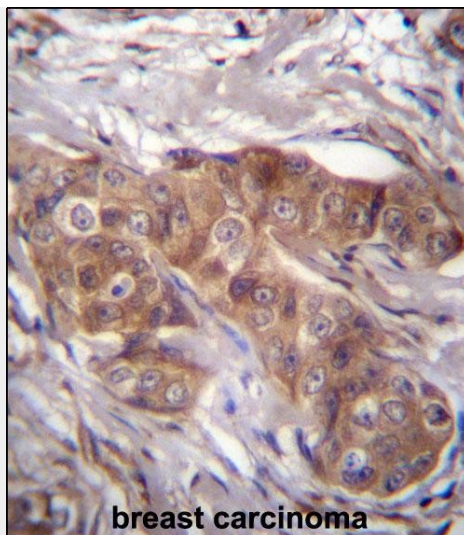
LPAR6 Antibody (Center) (Cat. #AP12707c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the LPAR6 antibody detected the LPAR6 protein (arrow).



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 μ 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 μ 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.



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.](#)