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LPAR6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12707c

Product Information

Application	WB, IHC-P, E
Primary Accession	P43657
Other Accession	Q4G072, Q8BMC0, NP_001155970.1, NP_005758.2
Reactivity	Human, Rat, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32125
Calculated MW	39392
Antigen Region	106-134

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~~1:100~500 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.

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.

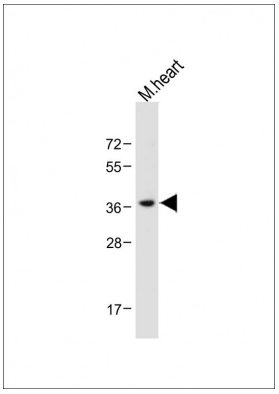
Background

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.

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)

Images



Anti-LPAR6 Antibody (Center) at 1:1000 dilution + 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% NFDM/TBST.

Citations

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