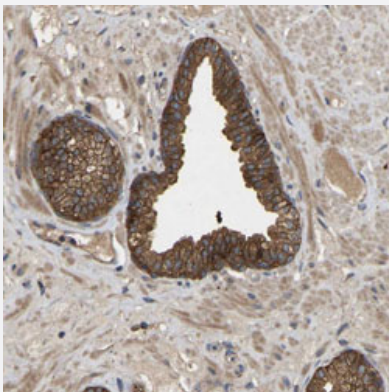


LPAR2 polyclonal antibody

Catalog # PAB30912 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with LPAR2 polyclonal antibody (Cat # PAB30912) shows strong cytoplasmic and membranous positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human LPAR2.
Immunogen	Recombinant protein corresponding to human LPAR2.
Sequence	LLLDGLGCESCNVLAVEKYFLLLAEANSLVNAAVYSCRDAEMRRTFRLLCCACLRQSTRESVHY TSSAQGGASTRIMLPENGHPLMDSTL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — LPAR2

Entrez GeneID[9170](#)**Protein Accession#**[Q9HBW0](#)**Gene Name**

LPAR2

Gene Alias

EDG-4, EDG4, FLJ93869, LPA2

Gene Description

lysophosphatidic acid receptor 2

Omim ID[605110](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca²⁺ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq]

Other Designations

G protein-coupled receptor|LPA receptor EDG4|endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4|lysophosphatidic acid receptor EDG4

Publication Reference

- [Lysophosphatidic acid activates Arf6 to promote the mesenchymal malignancy of renal cancer.](#)

Hashimoto S, Mikami S, Sugino H, Yoshikawa A, Hashimoto A, Onodera Y, Furukawa S, Handa H, Oikawa T, Okada Y, Oya M, Sabe H.

Nature Communications 2016 Feb; 7:10656.

Application: IHC-P, Human, Human renal cancer

- [LPA Induces Colon Cancer Cell Proliferation through a Cooperation between the ROCK and STAT-3 Pathways.](#)

Leve F, Peres-Moreira RJ, Binato R, Abdelhay E, Morgado-Díaz JA.

PLoS One 2015 Sep; 10(9):e0139094.

Application: WB-Ce, Human, Caco-2 cells, HCT-116 cells, HT-29 cells

- [In vivo collective cell migration requires an LPAR2-dependent increase in tissue fluidity.](#)

Kuriyama S, Thevenneau E, Benedetto A, Parsons M, Tanaka M, Charras G, Kabla A, Mayor R.

The Journal of Cell Biology 2014 Jul; 206(1):113.

Application: WB-Ce, Frog, Neural crest cells

Pathway

- [Neuroactive ligand-receptor interaction](#)