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Rabbit Anti-LPAR3 antibody

SL25403R

Product Name	LPAR3
Chinese Name	溶血磷脂酸受体蛋白 3/EDG7 抗体
Alias	Calcium mobilizing lysophosphatidic acid receptor LP A3; Calcium mobilizing lysophosphatidic acid receptor LPA 3; Calcium mobilizing lysophosphatidic acid receptor LPA3; EDG 7; Endothelial cell differentiation gene 7; Endothelial differentiation lysophosphatidic acid G protein coupled receptor 7; FLJ98231; GPCR; HOFNH 30; HOFNH30; LP A3; LPA 3; LPA receptor 3; LPA receptor EDG 7; LPA receptor EDG7; LPA3; LPAR 3; Lysophosphatidic acid receptor 3; Lysophosphatidic acid receptor Edg 7; Lysophosphatidic acid receptor Edg7 (LPA receptor 3) (LPA3); Lysophosphatidic acid receptor Edg7; OTTHUMP00000011573; RP4 678I3; LPAR3_HUMAN; .
Research Area	Tumour immunology Signal transduction transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Cow,Horse,Sheep)
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	39kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human EDG7/LPA3:170-271/353
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw

cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Product Detail

EDG7 is a member of the G protein-coupled receptor family, as well as the EDG family of proteins. This protein functions as a cellular receptor for lysophosphatidic acid and mediates lysophosphatidic acid-evoked calcium mobilization. This receptor couples predominantly to G(q/11) alpha proteins. EDG7 has been reported in human prostate, as well as rodent brain, kidney, lung, placenta, prostate, and testis. ESTs have been isolated from a normal prostate library, as well as cancer libraries of the head/neck, ovary, and thyroid.

Function:
Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. May play a role in the development of ovarian cancer. Seems to be coupled to the G(i)/G(o) and G(q) families of heteromeric G proteins.

Subcellular Location:
Cell membrane; Multi-pass membrane protein.

Tissue Specificity:
Most abundantly expressed in prostate, testes, pancreas, and heart, with moderate levels in lung and ovary. No detectable expression in brain, placenta, liver, skeletal muscle, kidney, spleen, thymus, small intestine, colon, or peripheral blood leukocytes.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

SWISS:
Q9UBY5

Gene ID:
23566

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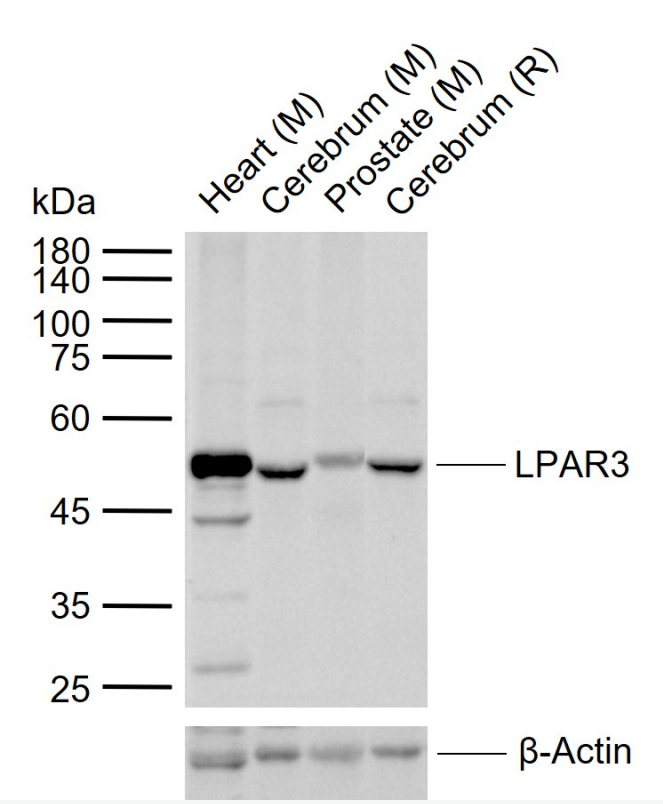
Product Picture



Sample:

Lane 1: Mouse Heart tissue lysates

Lane 2: Mouse Cerebrum tissue lysates

Lane 3: Mouse Prostate tissue lysates

Lane 4: Rat Cerebrum tissue lysates

Primary: Anti-LPAR3 (SL25403R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 39 kDa

Observed band size: 48 kDa