

Rabbit anti-Human LPAR5 Polyclonal Antibody | anti-LPAR5 antibody

Anti-LPAR5 Antibody Picoband

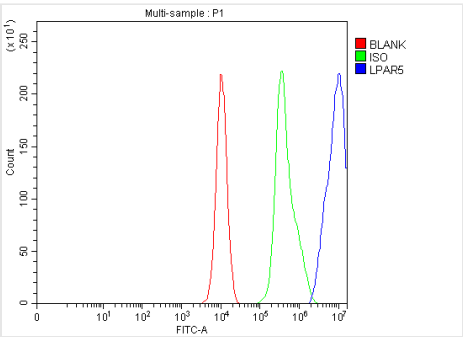
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127398	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

LPAR5; Polyclonal Antibody; Anti-LPAR5 Antibody Picoband; anti-LPAR5 antibody

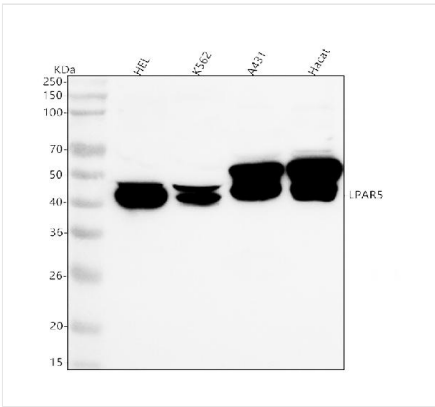
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LPAR5 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human LPAR5 recombinant protein (Position: A83-L372). Human LPAR5 shares 77.9% amino acid (aa) sequence identity with mouse LPAR5.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of K562 cells using anti-GPR92/LPAR5 antibody (AAA127398).Overlay histogram showing K562 cells stained with AAA127398 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-GPR92/LPAR5 Antibody (AAA127398, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of GPR92/LPAR5 using anti-GPR92/LPAR5 antibody (AAA127398).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HEL whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: human A431 whole cell lysates,Lane 4: human Hacat whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GPR92/LPAR5 antigen affinity purified polyclonal antibody (#AAA127398) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GPR92/LPAR5 at approximately 41 kDa. The expected band size for GPR92/LPAR5 is at 41 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LPAR5 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-LPAR5 antibody	Primary Antibodies
References	1. Lee, D. K., Nguyen, T., Lynch, K. R., Cheng, R., Vanti, W. B., Arkhitko, O., Lewis, T., Evans, J. F., George, S. R., O'Dowd, B. F. Discovery and mapping of ten novel G protein-coupled receptor genes. Gene 275: 83-91, 2001.2. White, K. E., Evans, W. E., O'Riordan, J. L. H., Speer, M. C., Econs, M. J., Lorenz-Depiereux, B., Grabowski, M., Meitinger, T., Strom, T. M. Autosomal dominant hypophosphataemic rickets is associated with mutations in FGF23. Nature Genet. 26: 345-348, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219281887
NCBI GeneID	57121
NCBI Accession #	NP_001136433.1
NCBI GenBank Nucleotide #	NM_001142961.1
UniProt Accession #	Q9H1C0
Molecular Weight	41,347 Da
NCBI Official Full Name	lysophosphatidic acid receptor 5
NCBI Official Synonym Full Names	lysophosphatidic acid receptor 5
NCBI Official Symbol	LPAR5

NCBI Official Synonym Symbols	LPA5; GPR92; GPR93; KPG_010
NCBI Protein Information	lysophosphatidic acid receptor 5; LPA-5; LPA receptor 5; G protein-coupled receptor 92; G-protein coupled receptor 92; G-protein coupled receptor 93
UniProt Protein Name	Lysophosphatidic acid receptor 5
UniProt Gene Name	LPAR5
UniProt Synonym Gene Names	GPR92; GPR93; LPA receptor 5; LPA-5
UniProt Entry Name	LPAR5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/lpar5-antibody-flow-cytometry-western-blot-elisa/127398>