

Rabbit anti-Human LLGL2 Polyclonal Antibody | anti-LLGL2 antibody

Anti-LLGL2 Antibody Picoband

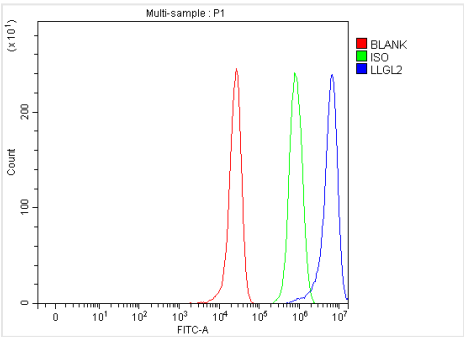
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127530	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

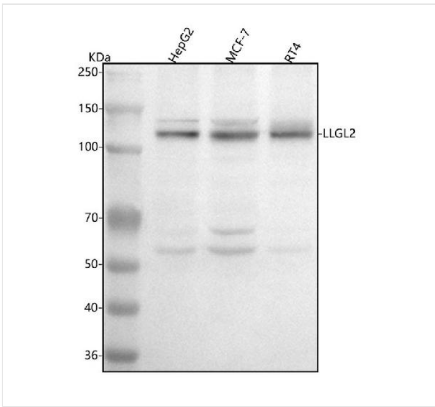
LLGL2; Polyclonal Antibody; Anti-LLGL2 Antibody Picoband; anti-LLGL2 antibody

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-LLGL2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human LLGL2 recombinant protein (Position: L102-Q553). Human LLGL2 shares 91.2% amino acid (aa) sequence identity with mouse LLGL2.
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 HepG2 cells using anti-LLGL2 antibody (AAA127530). Overlay histogram showing HepG2 cells stained with AAA127530 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LLGL2 Antibody (AAA127530, 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 LLGL2 using anti-LLGL2 antibody (AAA127530). 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 HepG2 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human RT4 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-LLGL2 antigen affinity purified polyclonal antibody (#AAA127530) 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 LLGL2 at approximately 120 kDa. The expected band size for LLGL2 is at 113 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LLGL2 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-LLGL2 antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 6/24/2019.2. Saito, Y., Li, L., Coyaude, E., Luna, A., Sander, C., Raught, B., Asara, J. M., Brown, M., Muthuswamy, S. K. LLGL2 rescues nutrient stress by promoting leucine uptake in ER+ breast cancer. Nature 569: 275-279, 2019.3. Sripathy, S., Lee, M., Vasioukhin, V. Mammalian Lgl2 is necessary for proper branching morphogenesis during placental development. Molec. Cell. Biol. 31: 2920-2933, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73427803
NCBI GeneID	3993
NCBI Accession #	NP_001026973.1
NCBI GenBank Nucleotide #	NM_001031803.1
UniProt Accession #	Q6P1M3; Q14521; Q9BR62
Molecular Weight	113,448 Da
NCBI Official Full Name	lethal(2) giant larvae protein homolog 2 isoform c
NCBI Official Synonym Full Names	lethal giant larvae homolog 2 (Drosophila)
NCBI Official Symbol	LLGL2
NCBI Official Synonym Symbols	HGL; LGL2

NCBI Protein Information	lethal(2) giant larvae protein homolog 2; lethal(2) giant larvae protein homolog 2; human giant larvae homolog
UniProt Protein Name	Lethal(2) giant larvae protein homolog 2
UniProt Gene Name	LLGL2
UniProt Entry Name	L2GL2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/IlgI2-antibody-flow-cytometry-western-blot-elisa/127530>