

Rabbit PHYHIPL Polyclonal Antibody | anti-PHYHIPL antibody

Anti-PHYHIPL Antibody Picoband

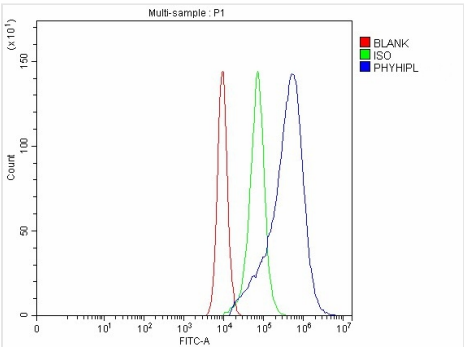
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127815	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

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

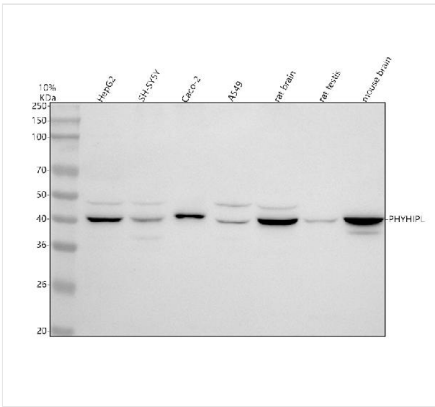
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-PHYHIPL antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human PHYHIPL recombinant protein (Position: M1-D336). Human PHYHIPL shares 97.3% and 96.7% amino acid (aa) sequence identity with mouse and rat PHYHIPL, respectively.
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 CACO-2 cells using anti-PHYHIPL antibody (AAA127815). Overlay histogram showing CACO-2 cells stained with AAA127815 (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-PHYHIPL Antibody (AAA127815, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of PHYHIPL using anti-PHYHIPL antibody (AAA127815). 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 SH-SY5Y whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human A549 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat testis tissue lysates, Lane 7: mouse brain tissue 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-PHYHIPL antigen affinity purified polyclonal antibody (#AAA127815) 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 PHYHIPL at approximately 40 kDa. The expected band size for PHYHIPL is at 42,40,6 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PHYHIPL 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-PHYHIPL antibody	Primary Antibodies
References	1. Fu, H., Ge, B., Chen, D., Wu, Y., Luo, Q., Li, X., ... & Tang, Q. (2019). Phytanoyl-CoA 2-hydroxylase-interacting protein-like gene is a therapeutic target gene for glioblastoma multiforme. Medical Science Monitor: International Medical Journal of Experimental and Clinical Research, 25, 2583.2. Sugimoto, H., Horii, T., Hirota, J. N., Sano, Y., Shinoda, Y., Konno, A., ... & Sadakata, T. (2021). The Ser19Stop single nucleotide polymorphism (SNP) of human PHYHIPL affects the cerebellum in mice. Molecular Brain, 14, 1-9.3. Ying, H., Zheng, H., Scott, K., Wiedemeyer, R., Yan, H., Lim, C., ... & DePinho, R. A. (2010). Mig-6 controls EGFR trafficking and suppresses gliomagenesis. Proceedings of the National Academy of Sciences, 107(15), 6912-6917.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219555646
NCBI GeneID	84457
NCBI Accession #	NP_001137246.1
NCBI GenBank Nucleotide #	NM_001143774.1
UniProt Accession #	Q96FC7; Q68DF3; Q6UXY3; Q8N3W3; Q96JM9; Q96NP7; B7WP61
Molecular Weight	5,541 Da
NCBI Official Full Name	phytanoyl-CoA hydroxylase-interacting protein-like isoform 2

NCBI Official Synonym Full Names	phytanoyl-CoA 2-hydroxylase interacting protein like
NCBI Official Symbol	PHYHIPL
NCBI Protein Information	phytanoyl-CoA hydroxylase-interacting protein-like
UniProt Protein Name	Phytanoyl-CoA hydroxylase-interacting protein-like
UniProt Gene Name	PHYHIPL
UniProt Synonym Gene Names	KIAA1796

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/phyhipl-antibody-western-blot-elisa/127815>