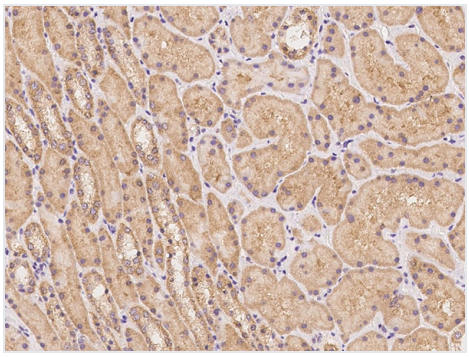
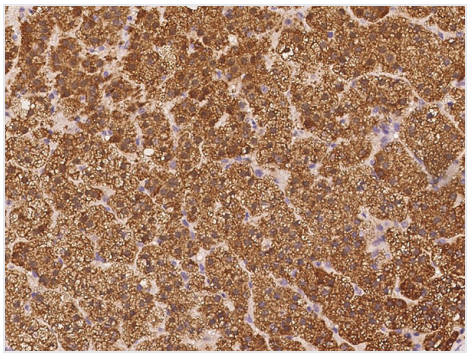
# PLCL1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | PLCL1, Polyclonal Antibody |
| **Full Product Name** | Anti-PLCL1 Antibody, Rabbit Polyclonal |
| **Product Gene Name** | anti-PLCL1 antibody |
| **Product Synonym Names** | PLCL1 Antibody, Rabbit PAb, Antigen Affinity Purified; Anti-PLCE Antibody; Anti-PLCL Antibody; Anti-PLDL1 Antibody; Anti-PRIP Antibody |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid; PBS, pH7.0 with 0.03% Proclin300 |
| **Purity/Purification** | Protein A & Antigen Affinity |
| **Specificity** | Human PLCL1 |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |
| **Immunogen** | E Coli-derived Human PLCL1 fragment |
| **Conjugation** | Unconjugated |
| **Preparation** | Produced in rabbits immunized with E Coli-derived Human PLCL1 fragment, and purified by antigen affinity chromatography. |
| **Applications Tested/Suitable for anti-PLCL1 antibody** | Immunohistochemistry-Paraffin (IHC-P) |
| **Application Notes for anti-PLCL1 antibody** | IHC-P: 1:500-1:2000 |
| **Related Product Information for anti-PLCL1 antibody** | Phospholipase C-like 1 (PLCL1) is a protein homologous to the PLC family; they have the similar structures, but PLCL1 lacks catalytic activity. Mutations of the amino acids within the catalytic domain of PLCL1 make it impossible to convert PIP2 to inositol 1, 4, 5-trisphosphate (IP3) and diacylglycerol (DAG). It can silence important PLC signaling downstream of Gq-protein-coupled receptors and cannot attenuate IP3-dependent Ca2+ release from the endoplasmic reticulum (ER). In terms of function, it always plays a role as a scaffolding protein to bind phosphatases 1 and 2A (PP1 and PP2A) as well as serine/threonine protein kinase (AKT), which relays intracellular signals downstream of phosphoinositide 3-kinase (PI3K). It can also regulate lipolysis in adipose tissue and correlate with the blood high density lipoprotein (HDL)-cholesterol levels. |
| **Product References and Citations for anti-PLCL1 antibody** | Xiong Z, et al. (2019) Tumor cell "slimming" regulates tumor progression through plcl1/ucp1-mediated lipid browning. Adv Sci (Weinh) 6 (10): 1801862. |
| **Other Notes** | Small volumes of anti-PLCL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for PLCL1 purchase** | MBS8110097 is an antibody targeting PLCL1. Also known as Anti-PLCL1 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit. |



**Immunohistochemistry (IHC) of anti-PLCL1 antibody**
Immunochemical staining of human PLCL1 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



**Immunohistochemistry (IHC) of anti-PLCL1 antibody**
Immunochemical staining of human PLCL1 in human adrenal gland with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLCL1. It may not necessarily be applicable to this product.

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| **Protein Family** | Inactive phospholipase C-like protein |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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