abcam

# ab249305

# Anti-PLCL1 antibody [EPR11213] - BSA and Azide free

Recombinant | RabMAb

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **Storage buffer** | pH: 7.2 - 7.4 Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | The exact immunogen used to generate this antibody is proprietary information. |
| **Carrier free** | Yes |
| **Clone number** | EPR11213 |
| **Purification technique** | Affinity purification |
| **Concentration** | 1.001 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

## IP

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## WB

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## IHC-P

**Not recommended**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## Flow Cyt (Intra)

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

# Target data

See full target information PLCL1

| | |
|---|---|
| **Function** | Involved in an inositol phospholipid-based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor (By similarity). Regulates the turnover of receptors and thus contributes to the maintenance of GABA-mediated synaptic inhibition. Its aberrant expression could contribute to the genesis and progression of lung carcinoma. Acts as an inhibitor of PPP1C. |

## Storage

| | |
|---|---|
| **Shipped at conditions** | Blue Ice |
| **Appropriate short-term storage conditions** | +4°C |
| **Appropriate long-term storage conditions** | +4°C |
| **Storage information** | Do Not Freeze |

## Notes

ab249305 is the carrier-free version of ab157200.

**Patented technology**

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

**What are the advantages of a recombinant monoclonal antibody?**

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

**Conjugation ready**

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

**Compatibility**

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

## Product promise

**Tested**

We have tested this species and application combination and it works. It is covered by our product promise.

**Expected**

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

**Predicted**

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

**Not recommended**

We do not recommend this combination. It is not covered by our product promise.

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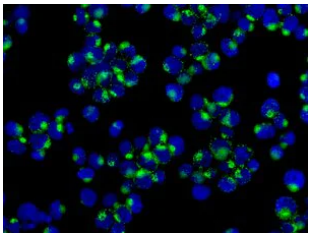
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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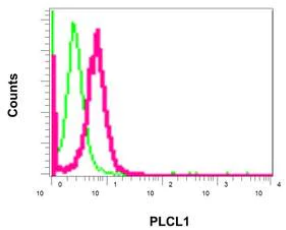
## 4 product images



### Immunocytochemistry/ Immunofluorescence - Anti-PLCL1 antibody [EPR11213] - BSA and Azide free (ab249305)

PLCL1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-PLCL1 antibody

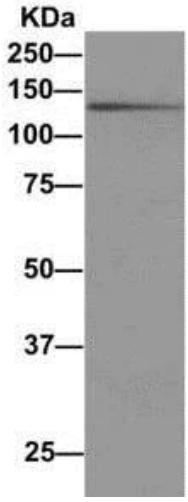
This data was developed using ab157200, the same antibody clone in a different buffer formulation.Immunofluorescence analysis of Jurkat cells, labeling PLCL1 using ab157200 at a 1/100 dilution.




### Flow Cytometry (Intracellular) - Anti-PLCL1 antibody [EPR11213] - BSA and Azide free (ab249305)

PLCL1 Flow Cytometry (Intracellular) staining using rabbit Anti-PLCL1 antibody

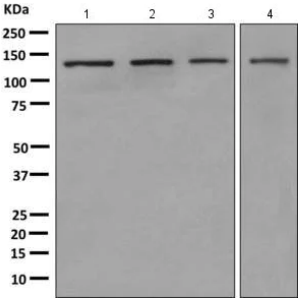
This data was developed using ab157200, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of permeabilized Jurkat cells labeling PLCL1 (red), using ab157200 at a 1/100 dilution, and negative control cells probed with a Rabbit IgG (green)




## Immunoprecipitation - Anti-PLCL1 antibody [EPR11213] - BSA and Azide free (ab249305)

This data was developed using ab157200, the same antibody clone in a different buffer formulation.Western blot analysis of Immunoprecipitation pellet from Human fetal brain lysate showing PLCL1, using ab157200 at 1/10 dilution for IP.
All lanes:
Immunoprecipitation - Anti-PLCL1 antibody [EPR11213] (ab157200)

Predicted band size: 123 kDa




## Western blot - Anti-PLCL1 antibody [EPR11213] - BSA and Azide free (ab249305)

This data was developed using ab157200, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-PLCL1 antibody [EPR11213] (ab157200) at 1/10000 dilution

Lane 1:
Human fetal brain tissue lysate at 10 µg

Lane 2:
Human fetal kidney tissue lysate at 10 µg

Lane 3:
Human fetal lung tissue lysate at 10 µg

Lane 4:
Jurkat lysate at 10 µg

Predicted band size: 123 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.