

## Product datasheet for **AP53339PU-N**

### PLCL2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | FC, IF, IHC, WB  |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western Blot:</b> 1/100-1/500.<br><b>Flow Cytometry:</b> 1/10-1/50.<br><b>Immunofluorescence:</b> 1/10-1/50.<br><b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50. |
| Reactivity:           | Human  |
| Host:                 | Rabbit   |
| Isotype:              | Ig   |
| Clonality:            | Polyclonal   |
| Immunogen:            | KLH conjugated synthetic peptide between 1100-1127 amino acids from the C-terminal region of human PLCL2   |
| Specificity:          | This antibody recognizes Human PLCL2 (C-term).   |
| Formulation:          | PBS containing 0.09% (W/V) Sodium Azide as preservative<br>State: Aff - Purified<br>State: Liquid purified Ig fraction   |
| Concentration:        | lot specific   |
| Purification:         | Protein A column, followed by peptide affinity purification  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | phospholipase C like 2   |
| Database Link:        | <a href="#">Entrez Gene 23228 Human Q9UPR0</a>   |
| Background:           | PLCL2 may play an role in the regulation of Ins(1,4,5)P3 around the endoplasmic reticulum (By similarity).   |



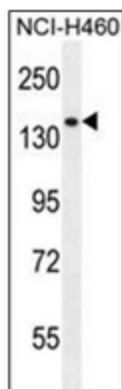
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**Synonyms:** PLC-L2, PLCE2, Phospholipase C-epsilon-2, Phospholipase C epsilon 2, PLC-epsilon-2, Phospholipase C-L2

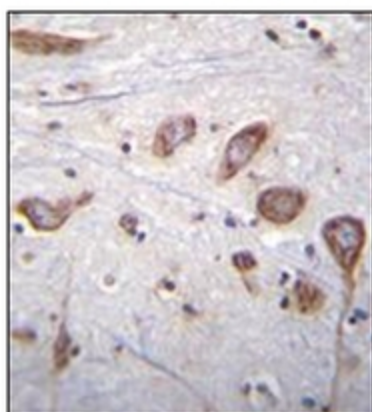
**Note:** **Molecular Weight:** 125866 Da

**Protein Families:** Druggable Genome

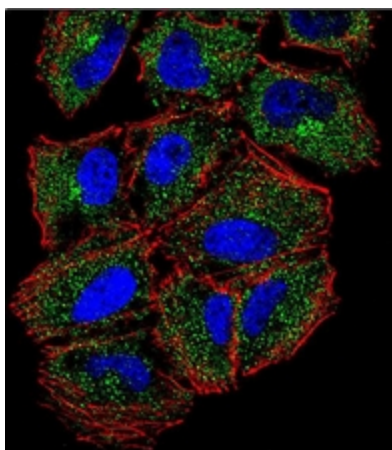
## Product images:



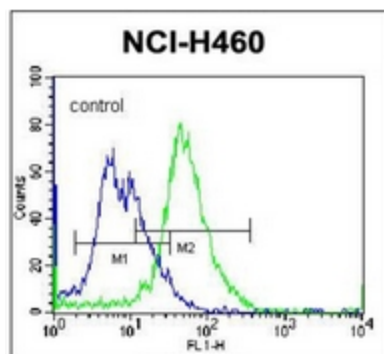
Western blot analysis of PLCL2 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PLCL2 antibody detected the PLCL2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with PLCL2 Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of PLCL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of PLCL2 Antibody (C-term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated Goat anti-Rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



Flow cytometric analysis of NCI-H460 cells using PLCL2 Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.