

**PDCL2 Antibody**  
**Catalog # ASC11820****Specification**

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**PDCL2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q8N4E4</a>
Other Accession	<a href="#">NP_689614</a> , <a href="#">51944950</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>Predicted: 27 kDa</b>
Application Notes	<b>Observed: 25 kDa KDa</b> <b>PDCL2 antibody can be used for detection of PDCL2 by Western blot at 1 - 2 µg/ml.</b>

**PDCL2 Antibody - Additional Information**Gene ID **132954****Target/Specificity**

PDCL2; PDCL2 antibody is human, mouse and rat reactive. PDCL2 antibody is predicted to not cross-react with other members of the PDCL protein family.

**Reconstitution & Storage**

PDCL2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

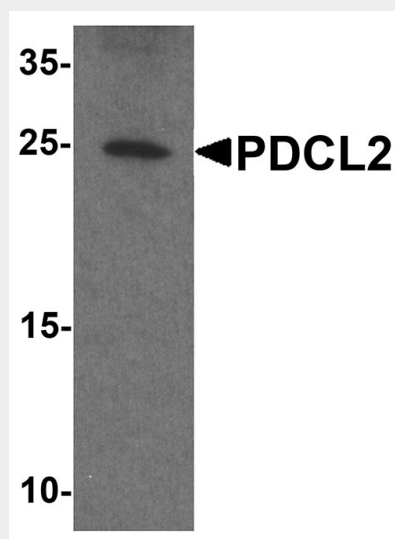
PDCL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PDCL2 Antibody - Protein Information****Name** PDCL2**PDCL2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

**PDCL2 Antibody - Images**

Western blot analysis of PDCL2 in rat liver tissue lysate with PDCL2 antibody at 1 µg/ml.

**PDCL2 Antibody - Background**

Phosducin-like proteins (PhLPs) are a conserved family of proteins with thioredoxin-like domains that were initially identified as modulators of G protein signaling (1,2). PDCL2 is highly homologous to PDCL and shares an N-terminal helix domain and a C-terminal thioredoxin-fold (Trx-fold) domain (3). PDCL2 has been shown to interact with the chaperonin CCT and is essential for cytoskeletal protein function and cell cycle progression (4).

**PDCL2 Antibody - References**

Miles MF, Barhite S, Sganga M, et al. Phosducin-like protein: an ethanol-responsive potential modulator of guanine nucleotide-binding protein function. *Proc. Natl. Acad. Sci. USA* 1993; 90:10831-5.

Ruiz-Gomez A, Humrich J, Murga C, et al. Phosphorylation of phosducin and phosducinlike protein by G protein-coupled receptor kinase 2. *J. Biol. Chem.* 2000; 275:29724-30.

Lou X, Bao R, Zhou CZ, et al. Structure of the thioredoxin-fold domain of human phosducin-like protein 2. *Acta Crystallographica* 2009; F65:67-70.

Stirling PC, Srayko M, Takhar KS, et al. Functional interaction between phosducin-like protein 2 and cytosolic chaperonin is essential for cytoskeletal protein function and cell cycle progression. *Mol. Biol. Cell* 2007; 18:2336-45.