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PDCL2 Antibody
Catalog # ASC11820

Specification

PDCL2 Antibody - Product Information

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

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℃ for three months and -20℃, 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

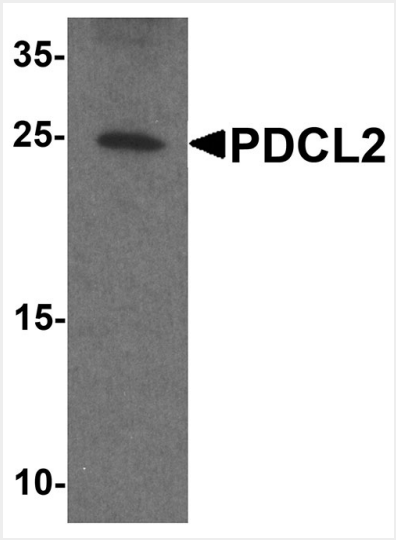
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

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- 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 cytoskeltal protein function and cell cycle progrssion. Mol. Biol. Cell 2007; 18:2336-45.