**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AM50357PU-N

## PDCL3 Mouse Monoclonal Antibody [Clone ID: AT8F9]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | AT8F9 |
| **Applications:** | ELISA, WB |
| **Recommended Dilution:** | The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000. |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Recombinant human PDCL3 (1-239aa) purified from E. coli. |
| **Formulation:** | PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol<br>State: Purified<br>State: Liquid purified Ig fraction |
| **Concentration:** | lot specific |
| **Purification:** | Protein-A affinity chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | phosducin like 3 |
| **Database Link:** | Entrez Gene 79031 Human<br>Q9H2J4 |

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**Background:** PDCL3 (phosducin-like 3), also known as VIAF1 (viral IAP-associated factor 1), VIAF, PHLP3 or HTPHLP, is a widely expressed protein that belongs to the phosducin-like family of proteins. phosducin-like family members associate with the cytosolic chaperonin complex (CCT) and regulate the folding of proteins. Localizing to the cytoplasm, PDCL3 does not appear to play a role in G protein signaling, but participates in the chaperone-assisted folding of proteins, such as beta Tubulin and Actin, that are involved in the regulation of cell cycle progression. More specifically, PDCL3, when associated with CCT, represses the ATPase activity of CCT and ultimately disrupts the folding of the Actin or tubulin substrates.

**Synonyms:** Phosducin-like protein 3, VIAF1, VIAF-1, HTPHLP, PhPL3

## Product images:

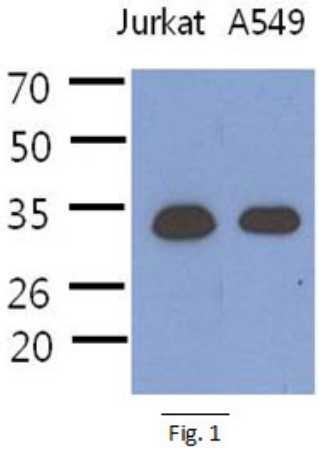

Fig. 1

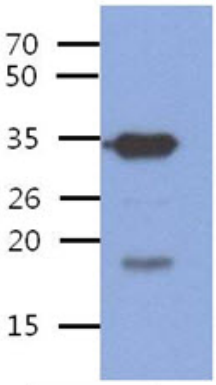

Fig. 2

Fig. 1: The extract of Jurkat (40ug), A549 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDCL3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Fig. 2: The Human Recombinant protein PDCL3 (100ng) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDCL3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.