

Mouse anti-Human PDCL3 Monoclonal Antibody | anti-PDCL3 antibody

PDCL3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48152	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PDCL3; Monoclonal Antibody; PDCL3 antibody; Phosducin-Like protein 3; HTPHLP; MGC3062; PHLP2A; PHLP3; VIAF; VIAF1; anti-PDCL3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT8F9
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	239
Applicable Applications for anti-PDCL3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PDCL3 (1-239aa) purified from E. coli
Clone Note	Anti-human PDCL3 mAb, clone AT8F9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PDCL3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PDCL3 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PDCL3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of PDCL3 in PC3 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PDCL3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCL3 antibody	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.
Product Categories/Family for anti-PDCL3 antibody	Signal Transduction
References	Wilkinson J.C., et al. (2004) Biol. Chem. 279 (49):51091-51099; Hillier L.W., et al. (2005) Nature 434 (7034):724-731

NCBI AND UNIPROT INFORMATION

NCBI GI #	13129044
NCBI GeneID	79031
NCBI Accession #	NP_076970
NCBI GenBank Nucleotide #	NM_024065.4
UniProt Accession #	Q9H2J4; Q53S68; B2RA00
Molecular Weight	27,614 Da
NCBI Official Full Name	phosducin-like protein 3
NCBI Official Synonym Full Names	phosducin like 3
NCBI Official Symbol	PDCL3
NCBI Official Synonym Symbols	VIAF; PHLP3; VIAF1; HTPHLP; PHLP2A
NCBI Protein Information	phosducin-like protein 3
UniProt Protein Name	Phosducin-like protein 3
UniProt Gene Name	PDCL3
UniProt Synonym Gene Names	PhLP2A; VIAF1; VIAF-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdcl3-antibody-clone-at8f9-immunofluorescence-immunocytochemistry-western-blot-elisa/48152>