

PCDP1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10318b

Specification

PCDP1 Antibody (C-term) - Product Information

Application	WB, FC, E
Primary Accession	O4G0U5
Other Accession	NP_001025167.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	787-816

PCDP1 Antibody (C-term) - Additional Information

Gene ID 200373

Other Names

Cilia- and flagella-associated protein 221 {ECO:0000312|HGNC:HGNC:33720}, Primary ciliary dyskinesia protein 1, CFAP221 (HGNC:33720)

Target/Specificity

This PCDP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 787-816 amino acids from the C-terminal region of humanPCDP1.

Dilution

WB~~1:1000
FC~~1:10~50
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PCDP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCDP1 Antibody (C-term) - Protein Information

Name CFAP221 ([HGNC:33720](#))

Function May play a role in cilium morphogenesis.

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm {ECO:0000250|UniProtKB:A9Q751}.
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A9Q751}. Note=Localizes to the manchette in
elongating spermatids in a SPAG17-dependent manner {ECO:0000250|UniProtKB:A9Q751}

Tissue Location

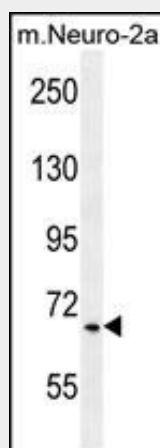
Expressed in ciliated respiratory epithelial cells and brain ependymal cells (at protein level)

PCDP1 Antibody (C-term) - Protocols

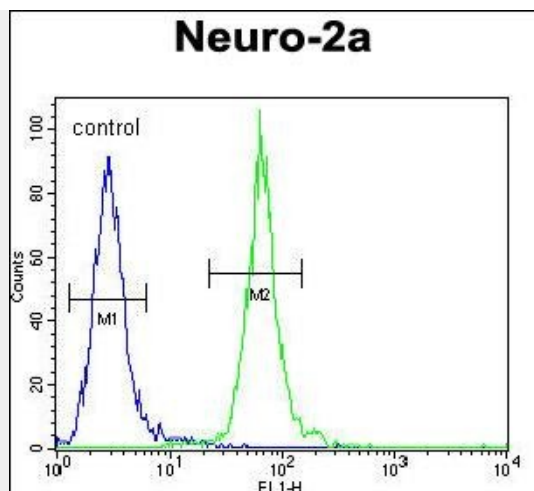
Provided below are standard protocols that you may find useful for product applications.

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

PCDP1 Antibody (C-term) - Images



PCDP1 Antibody (C-term) (Cat. #AP10318b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the PCDP1 antibody detected the PCDP1 protein (arrow).



PCDP1 Antibody (C-term) (Cat. #AP10318b) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PCDP1 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lesch, K.P., et al. J Neural Transm 115(11):1573-1585(2008)
Lee, L., et al. Mol. Cell. Biol. 28(3):949-957(2008)
Venter, J.C., et al. Science 291(5507):1304-1351(2001)