

PCDP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10318b

Product Information

Application	WB, FC, E
Primary Accession	Q4G0U5
Other Accession	NP_001025167.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27853
Calculated MW	96891
Antigen Region	787-816

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.

Protein Information

Name	CFAP221 (HGNC:33720)
Function	May play a role in cilium morphogenesis and ciliary function.
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}

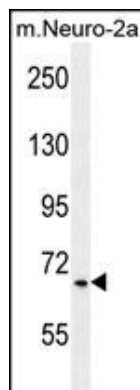
Tissue Location

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

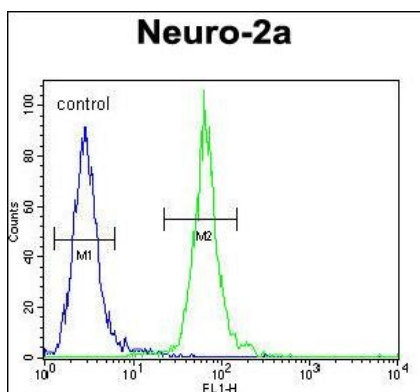
References

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)

Images



hCG_17324 Antibody (C-term) (Cat. #AP10318b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the hCG_17324 antibody detected the hCG_17324 protein (arrow).



hCG_17324 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.