

For Research Use Only

CFAP221 Polyclonal antibody

Catalog Number: 32922-1-AP



Basic Information

Catalog Number: 32922-1-AP	GenBank Accession Number: NM_001271049.1	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 200373	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	UNIPROT ID: Q4G0U5	
Immunogen Catalog Number: AG38512	Full Name: primary ciliary dyskinesia protein 1	
	Calculated MW: 97kDa, 840a	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MG-63 cells,
Species Specificity: human	

Background Information

CFAP221 (also known as PCDP1) is a crucial structural protein in motile cilia and sperm flagella. It is specifically located within the axillary shaft of the cilia and acts as a "connection bridge" between the adjacent outer doublet microtubules, playing a role in stabilizing the core skeleton of the axillary shaft and coordinating the sliding of microtubules. The loss of this protein's function will disrupt the structural integrity and normal oscillation of the cilia, leading to a genetic disorder known as primary ciliary dyskinesia.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

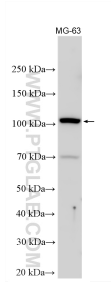
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Selected Validation Data



MG-63 cells were subjected to SDS PAGE followed by western blot with 32922-1-AP (CFAP221 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.