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POC5 Rabbit pAb

Catalog # AP96812

Product Information

Application	WB
Primary Accession	Q8NA72
Other Accession	Q8NA72
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63351
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human POC5
Epitope Specificity	301-400/575
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the POC5 family.
SUBUNIT	Interacts with CETN2 and CETN3.
Post-translational modifications	Hyperphosphorylated during recruitment to procentrioles inG2/M phase.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Essential for the assembly of the distal half of centrioles, required for centriole elongation.

Additional Information

Gene ID	134359
Other Names	C5orf37; POC5_HUMAN; POC5; Protein of centriole 5 (hPOC5); POC5 centriolar protein; chromosome 5 open reading frame 37; POC5 centriolar protein homolog (Chlamydomonas)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	POC5

Synonyms	C5orf37
Function	Essential for the assembly of the distal half of centrioles, required for centriole elongation (PubMed:19349582, PubMed:32946374). Acts as a negative regulator of centriole elongation (PubMed:37934472).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=Localized to the distal portion of centrioles. Localizes to the inner scaffold in the central region of centrioles.

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