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POC5 Recombinant Rabbit mAb

Catalog # AP98696

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NA72
Other Accession	Q8NA72
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	63351
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.
Background Descriptions	Predicted to be involved in eye photoreceptor cell development. Located in centrosome; cytosol; and nucleoplasm. [provided by Alliance of Genome Resources, Feb 2025]

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); Centrosomal protein POC5; Protein of centriole 5; hPOC5
Dilution	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200
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'.