

CEP41 Polyclonal Antibody

Catalog NumberPA5-39090

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Type	Antibody		
Immunogen	A synthetic peptide derived from the internal region of human CEP41		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

Centrosomes are the major microtubule-organizing centers of mammalian cells. They are composed of a centriole pair and surrounding microtubule-nucleating material termed pericentriolar material (PCM). Bipolar mitotic spindle assembly relies on two intertwined processes: centriole duplication and centrosome maturation. Failure to properly orchestrate centrosome duplication and maturation is subsequently linked to spindle defects, which can result in aneuploidy and promote cancer progression. The CEP41 (centrosomal protein of 41 kDa) gene encodes a protein of 373 amino acids that is alternatively spliced into 4 isoforms. Isoforms 1 and 4 are expressed in testis, as well as in and fetal brain and liver.

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