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CEP135 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15251

Product Information

Application	WB
Primary Accession	Q66GS9
Other Accession	NM_025009, NP_079285
Reactivity	Human, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133490

Additional Information

Gene ID	9662
Alias Symbol	CEP4, KIAA0635
Other Names	Centrosomal protein of 135 kDa, Cep135, Centrosomal protein 4, CEP135, CEP4, KIAA0635
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CEP135 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CEP135 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CEP135 (HGNC:29086)
Synonyms	CEP4, KIAA0635
Function	Centrosomal microtubule-binding protein involved in centriole biogenesis (PubMed:27477386). Acts as a scaffolding protein during early centriole biogenesis. Required for the targeting of centriole satellite proteins to centrosomes such as of PCM1, SSX2IP and CEP290 and recruitment of WRAP73 to centrioles. Also required for centriole- centriole cohesion during interphase by acting as a platform protein for CEP250 at the centriole. Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a

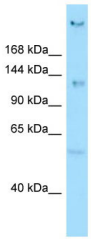
PLK4-dependent manner (PubMed:27185865).

Cellular Location Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=During centriole biogenesis, it is concentrated within the proximal lumen of both parental centrioles and procentrioles

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Andersen J.S.,et al.Nature 426:570-574(2003).
Kleylein-Sohn J.,et al.Dev. Cell 13:190-202(2007).

Images



WB Suggested Anti-CEP135 Antibody Titration: 1.0 µg/ml
Positive Control: A549 Whole Cell

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