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Anti-CEP152 Antibody (Arg877)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17884

Product Information

Application	WB, IHC-P
Primary Accession	O94986
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	195626

Additional Information

Gene ID	22995
Alias Symbol	CEP152
Other Names	CEP152, Centrosomal protein of 152 kDa, Centrosomal protein 152kDa, KIAA0912, MCPH9, MCPH4, SCKL5, Asterless
Target/Specificity	Human CEP152
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CEP152 Antibody (Arg877) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CEP152 (HGNC:29298)
Synonyms	KIAA0912
Function	Necessary for centrosome duplication; the function also seems to involve CEP63, CDK5RAP2 and WDR62 through a stepwise assembled complex at the centrosome that recruits CDK2 required for centriole duplication (PubMed:26297806). Acts as a molecular scaffold facilitating the interaction of PLK4 and CPAP, 2 molecules involved in centriole formation (PubMed:20852615, PubMed:21059844). Proposed to snatch PLK4 away from PLK4:CEP92 complexes in early G1 daughter centriole and to reposition PLK4 at the outer boundary of a newly forming CEP152 ring structure (PubMed:24997597). Also plays a key role in deuterosome-mediated centriole amplification in multiciliated that can generate more than 100 centrioles (By similarity). Overexpression of CEP152 can drive amplification of centrioles (PubMed:20852615). Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=Colocalizes with CDK5RAP2, WDR62 and CEP63 in a discrete ring around the proximal end of the parental centriole. At this site, a cohesive structure is predicted to engage parental centrioles and procentrioles (PubMed:21983783, PubMed:26297806). Localizes to the deuterosome (By similarity). Localizes to pericentriolar material (PCM) (PubMed:26337392). {ECO:0000250|UniProtKB:Q498G2, ECO:0000269|PubMed:21983783, ECO:0000269|PubMed:26297806, ECO:0000269|PubMed:26337392}

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