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Anti-CEP152 Antibody (Arg877)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17884

Specification

Anti-CEP152 Antibody (Arg877) - Product Information

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

Anti-CEP152 Antibody (Arg877) - 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.

Anti-CEP152 Antibody (Arg877) - Protein Information

Name CEP152 (HGNC:29298)

Synonyms KIAA0912

Function
Necessary for centrosome duplication; the function seems also 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 CENPJ, 2 molecules involved in centriole formation (PubMed:21059844, PubMed:20852615). 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:<a

href="http://www.uniprot.org/citations/24997597" target="_blank">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).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. 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}

Anti-CEP152 Antibody (Arg877) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CEP152 Antibody (Arg877) - Images