

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: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 Cytometry](#)
- [Cell Culture](#)

Anti-CEP152 Antibody (Arg877) - Images