

**CEP152 Polyclonal Antibody**  
**Catalog # AP69040****Specification**

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**CEP152 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O94986</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

**CEP152 Polyclonal Antibody - Additional Information****Gene ID** 22995**Other Names**

CEP152; KIAA0912; Centrosomal protein of 152 kDa; Cep152

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CEP152 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/26297806" target="\_blank">26297806</a>). Acts as a molecular scaffold facilitating the interaction of PLK4 and CENPJ, 2 molecules involved in centriole formation (PubMed:<a href="http://www.uniprot.org/citations/21059844" target="\_blank">21059844</a>, PubMed:<a href="http://www.uniprot.org/citations/20852615" target="\_blank">20852615</a>). 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</a>). 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:<a href="http://www.uniprot.org/citations/20852615" target="\_blank">20852615</a>).

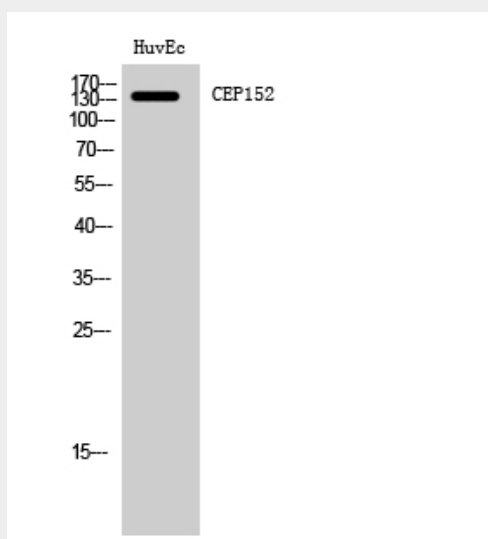
**Cellular Location**

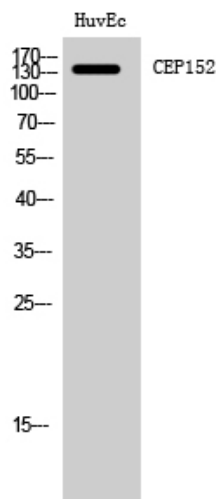
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=Colocalizes with CDK5RAP2, WDR62 and CEP63 in a discrete ring around the proximal end of the parental centriole. At this site, a cohesive structure is 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}

**CEP152 Polyclonal Antibody - 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](#)

**CEP152 Polyclonal Antibody - Images**



### CEP152 Polyclonal Antibody - Background

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