



# CEP170 rabbit pAb

Cat No.:ES1949

For research use only

## Overview

<b>Product Name</b>	CEP170 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CEP170. AA range:701-750
<b>Specificity</b>	CEP170 Polyclonal Antibody detects endogenous levels of CEP170 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Centrosomal protein of 170 kDa
<b>Gene Name</b>	CEP170
<b>Cellular localization</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasm, cytoskeleton, spindle . Associated with the mature mother centriole. Associated with spindle microtubules during mitosis. Localizes to the distal appendage region of the centriole (PubMed:31789463). Localizes at the centriole proximal ends (PubMed:31789463) .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	160kD
<b>Human Gene ID</b>	9859





**Human Swiss-Prot Number**

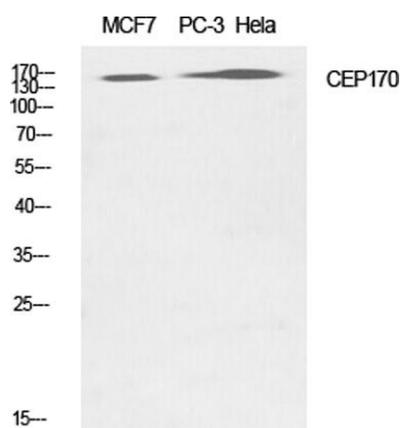
Q5SW79

**Alternative Names**

CEP170; FAM68A; KAB; KIAA0470; Centrosomal protein of 170 kDa; Cep170; KARP-1-binding protein; KARP1-binding protein

**Background**

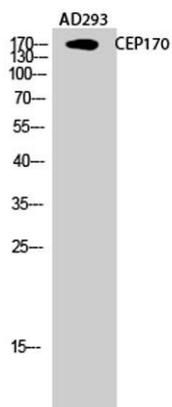
centrosomal protein 170(CEP170) Homo sapiens  
The product of this gene is a component of the centrosome, a non-membraneous organelle that functions as the major microtubule-organizing center in animal cells. During interphase, the encoded protein localizes to the sub-distal appendages of mature centrioles, which are microtubule-based structures thought to help organize centrosomes. During mitosis, the protein associates with spindle microtubules near the centrosomes. The protein interacts with and is phosphorylated by polo-like kinase 1, and functions in maintaining microtubule organization and cell morphology. The human genome contains a putative transcribed pseudogene. Several alternatively spliced transcript variants of this gene have been found, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using CEP170

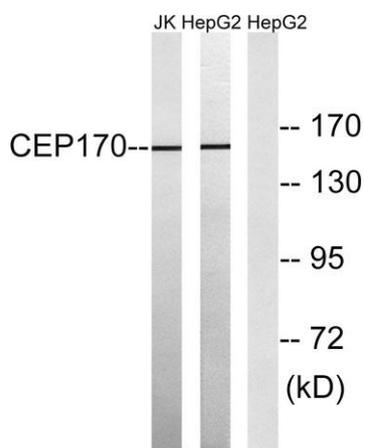
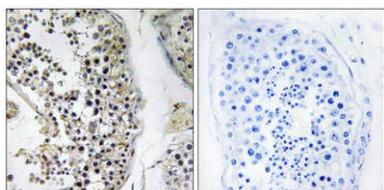
Polyclonal Antibody diluted at 1:1000





Western Blot analysis of AD293 cells using CEP170  
Polyclonal Antibody diluted at 1:1000

Immunohistochemistry analysis of paraffin-embedded  
human testis tissue, using CEP170 Antibody. The picture  
on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 and Jurkat  
cells, using CEP170 Antibody. The lane on the right is  
blocked with the synthesized peptide.

