SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CEP170 antibody

SL13852R

Product Name:	CEP170
Chinese Name:	中心体蛋白CEP170抗体
Alias:	XRCC5 binding protein; 4933426L22Rik; A330004A13Rik; AI195353; Centrosomal protein 170kDa; Cep170; FAM68A; KAB; KARP 1 binding protein; KARP1 binding protein; KIAA0470.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	175kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CEP170:1301-1428/1428
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:
CEP170, centrosomal protein 170kDa, plays a role in microtubule organization. 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.

Subcellular Location:
Centrosome, centriole. Cytoplasm, cytoskeleton. Associated with the mature mother centriole. Associated with spindle microtubules during mitosis.

Post-translational modifications:
Phosphorylated; probably by PLK1.

Similarity:
Belongs to the CEP170 family.
Contains 1 FHA domain.

SWISS:
Q5SW79

Gene ID:
9859

Database links:

Entrez Gene: 9859 Human

SwissProt: Q5SW79 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.