



CEP170 Polyclonal Antibody

Catalog No	BYab-03758
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CEP170
Protein Name	Centrosomal protein of 170 kDa
Immunogen	The antiserum was produced against synthesized peptide derived from human CEP170. AA range:701-750
Specificity	CEP170 Polyclonal Antibody detects endogenous levels of CEP170 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CEP170; FAM68A; KAB; KIAA0470; Centrosomal protein of 170 kDa; Cep170; KARP-1-binding protein; KARP1-binding protein
Observed Band	160kD
Cell Pathway	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). .
Tissue Specificity	Brain,Cervix carcinoma,Epithelium,Skin,Testis,
Function	function:Plays a role in microtubule organization.,PTM:Phosphorylated; probably by PLK1. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the CEP170 family.,similarity:Contains 1 FHA domain.,subcellular location:Associated with the mature mother centriole. Associated with spindle microtubules during mitosis.,subunit:Interacts with PLK1.,

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**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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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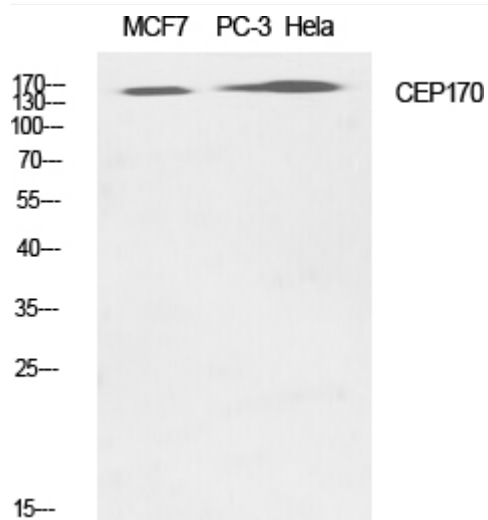
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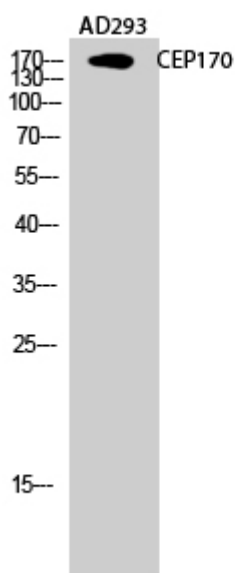
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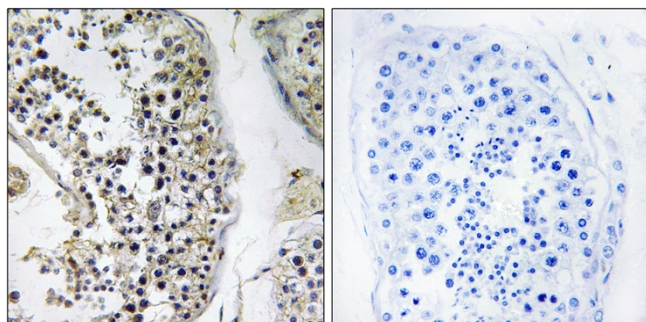
Products Images



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.

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