



CEP170 Polyclonal Antibody

Catalog No	YP-Ab-03758
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	CEP170
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	centrosomal protein 170kDa;Centrosomal protein of 170 kDa;CEP170;FAM68A; KAB;KARP 1 binding protein;KARP1 binding protein;KIAA0470;KARP-1-binding protein;KARP1-binding protein
Observed Band	160kD
Calculated Molecular Weight	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.,

**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

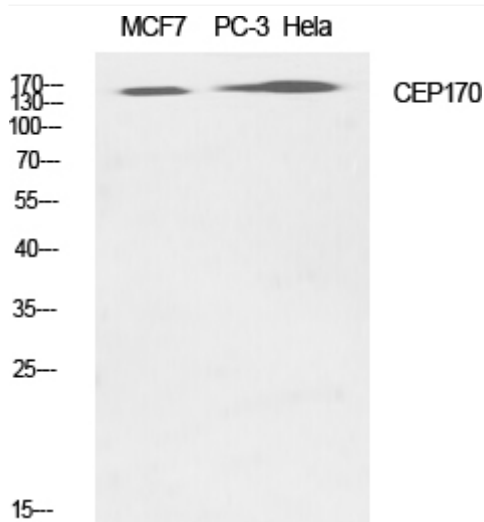
Avoid repeated freezing and thawing!

Usage suggestions

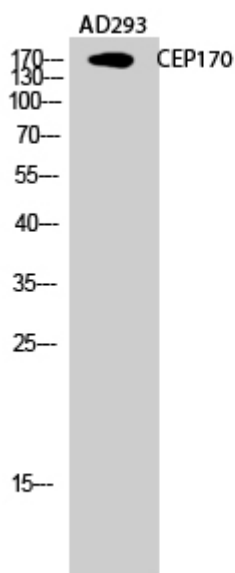
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



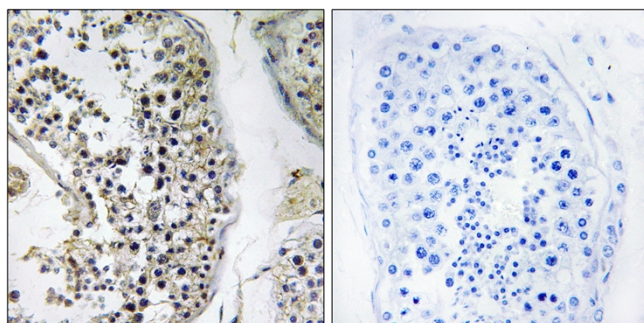
Products Images



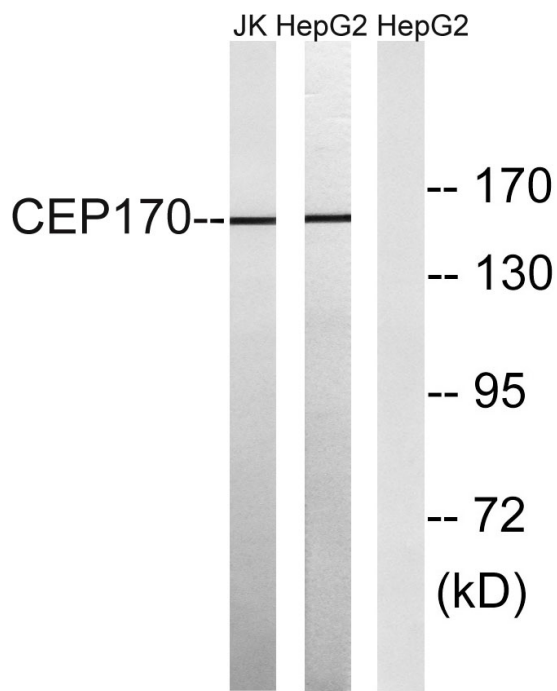
Western Blot analysis of various cells using CEP170 Polyclonal Antibody diluted at 1:1000



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.



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