

Rabbit anti-Human, Mouse CEP170 Polyclonal Antibody | anti-CEP170 antibody

CEP170 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324590	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CEP170; Polyclonal Antibody; CEP170 Antibody; XRCC5 binding protein; 4933426L22Rik; A330004A13Rik; A1195353; Centrosomal protein 170kDa; Cep170; FAM68A; KAB; KARP 1 binding protein; KARP1 binding protein; KIAA0470; anti-CEP170 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CEP170 antibody detects endogenous levels of total CEP170
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1486
Applicable Applications for anti-CEP170 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Centrosome, Centriole. Cytoplasm, Cytoskeleton. Associated with the mature mother centriole. Associated with spindle microtubules during mitosis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (88%), Sheep (100%), Rabbit (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using CEP170 antibody.



IHC (Immunohistochemistry)

AAA324590 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA324590 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CEP170 antibody	Function: Plays a role in microtubule organization (PubMed:15616186). Required for centriole subdistal appendage assembly (PubMed:28422092). Subunit Structure: Interacts with CCDC68 and CCDC120; leading to recruitment to centrosomes (PubMed:28422092). Interacts with PLK1 (PubMed:15616186). Interacts with NIN (By similarity). Post-translational Modifications: Phosphorylated; probably by PLK1. Similarity: Belongs to the CEP170 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109255230
NCBI GeneID	9859
NCBI Accession #	NP_001035863.1
NCBI GenBank Nucleotide #	NM_001042404.1
UniProt Accession #	Q5SW79; O75058; Q5SW77; Q5SW78; Q7LGA9; Q86W31; Q9UQ08; Q9UQ09
Molecular Weight	Observed: 160 kD Predicted: 176 kDa
NCBI Official Full Name	centrosomal protein of 170 kDa isoform beta
NCBI Official Synonym Full Names	centrosomal protein 170
NCBI Official Symbol	CEP170
NCBI Official Synonym Symbols	KAB; FAM68A; KIAA0470
NCBI Protein Information	centrosomal protein of 170 kDa
UniProt Protein Name	Centrosomal protein of 170 kDa
UniProt Gene Name	CEP170
UniProt Synonym Gene Names	FAM68A; KAB; KIAA0470; Cep170; KARP1-binding protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cep170-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324590>