

Rabbit anti-Human, Mouse CEP72 Polyclonal Antibody | anti-CEP72 antibody

CEP72 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327914	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

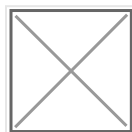
PRODUCT SYNONYMS

CEP72; Polyclonal Antibody; CEP72 Antibody; Centrosomal protein 72kDa; Centrosomal protein of 72 kDa; Cep72; CEP72_HUMAN; FLJ10565; MGC5307; RGD1566336; anti-CEP72 antibody

PRODUCT SPECIFICATIONS

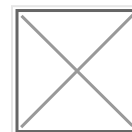
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CEP72 antibody detects endogenous levels of total CEP72
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	647
Applicable Applications for anti-CEP72 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CEP72
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome. Localizes to the centrosome and centrosome-surrounding particles throughout the cell cycle. These particles disappear after microtubules are depolymerized using nocodazole, suggesting that CEP72-associating particles localize in a microtubule-dependent manner.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327914 at 1/100 staining Mouse kidney 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.



WB (Western Blot)

Western blot analysis of CEP72 using A549 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CEP72 antibody	Function: Involved in the recruitment of key centrosomal proteins to the centrosome. Provides centrosomal microtubule-nucleation activity on the gamma-tubulin ring complexes (gamma-TuRCs) and has critical roles in forming a focused bipolar spindle, which is needed for proper tension generation between sister chromatids. Required for localization of KIZ, AKAP9 and gamma-tubulin ring complexes (gamma-TuRCs) (PubMed:19536135). Involved in centriole duplication. Required for CDK5RAP22, CEP152, WDR62 and CEP63 centrosomal localization and promotes the centrosomal localization of CDK2 (PubMed:26297806). Subunit Structure: Interacts with KIZ, PCM1 and CDK5RAP2. Similarity: Belongs to the CEP72 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62899065
NCBI GeneID	55722
NCBI Accession #	NP_060610.2
NCBI GenBank Nucleotide #	NM_018140.3
UniProt Accession #	Q9P209; Q9BV03; Q9BWM3; Q9NVR4; B4DR26
Molecular Weight	Observed: 72 kDa Predicted: 72 kDa
NCBI Official Full Name	centrosomal protein of 72 kDa
NCBI Official Synonym Full Names	centrosomal protein 72
NCBI Official Symbol	CEP72
NCBI Protein Information	centrosomal protein of 72 kDa
UniProt Protein Name	Centrosomal protein of 72 kDa
UniProt Gene Name	CEP72
UniProt Synonym Gene Names	KIAA1519; Cep72

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.