

Rabbit CEP110 Polyclonal Antibody | anti-CEP110 antibody

CEP110 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327911	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

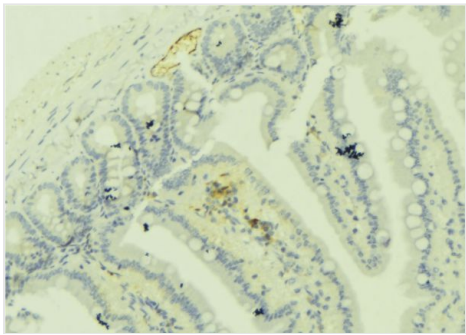
PRODUCT SYNONYMS

CEP110; Polyclonal Antibody; CEP110 Antibody; 110 kDa centrosomal protein; CCP110; Centriolar coiled coil protein 110kDa; Centrosomal protein 110 kDa; Centrosomal protein CP110; Centrosomal protein of 110 kDa; Cep110; CP110; CP110_HUMAN; DKFZp781G1416; FAN; KIAA0419; anti-CEP110 antibody

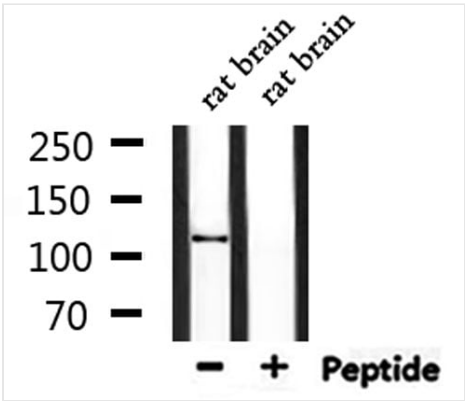
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CEP110 antibody detects endogenous levels of total CEP110
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	1012
Applicable Applications for anti-CEP110 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CEP110
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome > Centriole. Recruited early and then associates with the growing distal tips.
Tissue Specificity	Highly expressed in testis. Detected at intermediate levels in spleen, thymus, prostate, small intestine, colon and peripheral blood leukocytes.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

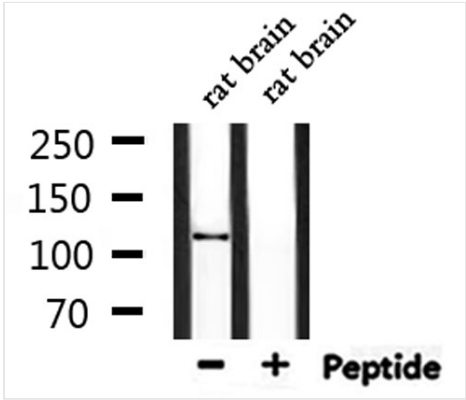
IMAGES



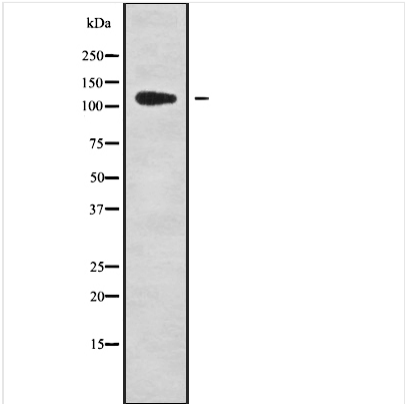
IHC (Immunohistochemistry)
AAA327911 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from mouse lung, using CEP110 Antibody.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using CEP110 Antibody.



WB (Western Blot)
Western blot analysis of CEP110 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CEP110 antibody	Function: Necessary for centrosome duplication at different stages of procentriole formation. Acts as a key negative regulator of ciliogenesis in collaboration with CEP97 by capping the mother centriole thereby preventing cilia formation (PubMed:17719545 PubMed:17681131, PubMed:23486064). Also involved in promoting ciliogenesis. May play a role in the assembly of the mother centriole subdistal appendages (SDA) thereby effecting the fusion of recycling endosomes to basal bodies during cilia formation (By similarity). Required for correct spindle formation and has a role in regulating cytokinesis and genome stability via cooperation with CALM1 and CETN2 (PubMed:16760425). Subunit Structure: Interacts with CALM1, CETN2, CEP76, CEP97, CEP104, CEP290, TALPID3. Seems to associate with discrete CETN2, CEP97 and CEP290-containing complexes. Interacts with NEURL4 and CCNF; these interactions are not mutually exclusive and both lead to CCP110 ubiquitination and proteasome-dependent degradation. Via its interaction with NEURL4, may indirectly interact with HERC2. Interacts with KIF24, leading to its recruitment to centrioles. Interacts with USP20 and USP33. Post-translational Modifications: Phosphorylated by CDKs. Ubiquitinated by the SCF(CCNF) during G2 phase, leading to its degradation by the proteasome and preventing centrosome reduplication. Deubiquitinated by USP33 in S and G2/M phase, leading to stabilize CCP110 during the period which centrioles duplicate and elongate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1021311949
NCBI GeneID	9738
NCBI Accession #	NP_001185951.2
NCBI GenBank Nucleotide #	NM_001199022.2

UniProt Accession #	O43303 ; O43335 ; Q68DV9 ; Q8NE13 ; B7WP23
Molecular Weight	Observed: 113 kDa Predicted: 114 kDa
NCBI Official Full Name	centriolar coiled-coil protein of 110 kDa isoform 1
NCBI Official Synonym Full Names	centriolar coiled-coil protein 110
NCBI Official Symbol	CCP110
NCBI Official Synonym Symbols	CP110; Cep110
NCBI Protein Information	centriolar coiled-coil protein of 110 kDa
UniProt Protein Name	Centriolar coiled-coil protein of 110 kDa
UniProt Gene Name	CCP110
UniProt Synonym Gene Names	CEP110; CP110; KIAA0419; CP110; Cep110

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cep110-antibody-immunohistochemistry-western-blot-elisa/327911>