

CEP120 Rabbit pAb

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Catalog # AP55319

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N960
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112640
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CEP120
Epitope Specificity	351-450/986
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > cytoskeleton > centrosome. Regulates the localization of TACC3 to the centrosome in neural progenitors in vivo.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein that functions in the microtubule-dependent coupling of the nucleus and the centrosome. A similar protein in mouse plays a role in both interkinetic nuclear migration, which is a characteristic pattern of nuclear movement in neural progenitors, and in neural progenitor self-renewal. Mutations in this gene are predicted to result in neurogenic defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Additional Information

Gene ID	153241
Other Names	Centrosomal protein of 120 kDa, Cep120, Coiled-coil domain-containing protein 100, CEP120, CCDC100
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

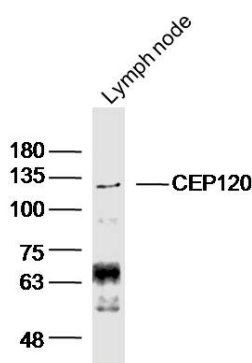
Protein Information

Name	CEP120
Synonyms	CCDC100
Function	Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors and for proper positioning of neurons during brain development. Also implicated in the migration and selfrenewal of neural progenitors. Required for centriole duplication and maturation during mitosis and subsequent ciliogenesis (By similarity). Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a PLK4-dependent manner (PubMed: 27185865).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Regulates the localization of TACC3 to the centrosome in neural progenitors in vivo {ECO:0000250 UniProtKB:Q7TSG1}

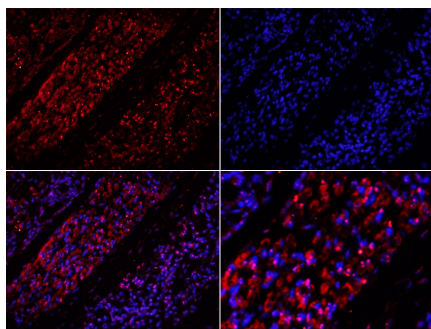
Background

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Images

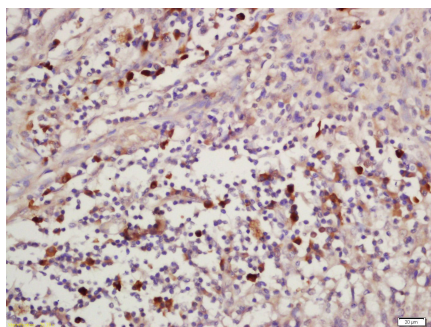


Sample: Lymph node (mouse) Lysate at 40 ug
 Primary: Anti- CEP120(AP55319)at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 112kD
 Observed band size: 130kD



Tissue/cell: mouse embryo tissue;4%
 Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-CEP120 Polyclonal Antibody, Unconjugated(AP55319) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(AP55319-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

Tissue/cell: human laryngo carcinoma; 4%
 Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;



Incubation: Anti-CEP120 Polyclonal Antibody,
Unconjugated(AP55319) 1:200, overnight at 4°C, followed
by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.