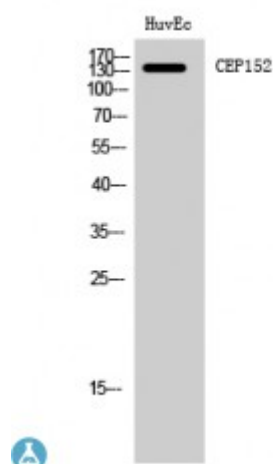


Anti-CEP152 antibody



Description	Rabbit polyclonal to CEP152.
Model	STJ92222
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CEP152
Immunogen Region	810-890 aa, Internal
Gene ID	22995
Gene Symbol	CEP152
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	CEP152 Polyclonal Antibody detects endogenous levels of CEP152 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Centrosomal protein of 152 kDa Cep152
Molecular Weight	140 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:29298OMIM:613529
Alternative Names	Centrosomal protein of 152 kDa Cep152
Function	Necessary for centrosome duplication; the function seems also to involve CEP63, CDK5RAP2 and WDR62 through a stepwise assembled complex at the centrosome that recruits CDK2 required for centriole duplication . Acts as a molecular scaffold facilitating the interaction of PLK4 and CENPJ, 2 molecules involved in centriole formation . Proposed to snatch PLK4 away from PLK4:CEP92 complexes in early G1 daughter centriole and to reposition PLK4 at the outer boundary of a newly forming CEP152 ring structure . Also plays a key role in deuterosome-mediated centriole amplification in multiciliated that can generate more than 100 centrioles . Overexpression of CEP152 can drive amplification of centrioles .
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Colocalizes with CDK5RAP2, WDR62 and CEP63 in a discrete ring around the proximal end of the parental centriole. At this site, a cohesive structure is predicted to engage parental centrioles and procentrioles . Localizes to the deuterosome . Localizes to pericentriolar material (PCM) .