

For Research Use Only

# CEP250,C-NAP1 Monoclonal antibody



Catalog Number: 66814-1-Ig **1 Publications**

## Basic Information

<b>Catalog Number:</b> 66814-1-Ig	<b>GenBank Accession Number:</b> BC001433	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11190	<b>CloneNo.:</b> 2G12D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BV73	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IF 1:400-1:1500
<b>Isotype:</b> IgG1	<b>Full Name:</b> centrosomal protein 250kDa	
<b>Immunogen Catalog Number:</b> AG5925	<b>Calculated MW:</b> 281 kDa	
	<b>Observed MW:</b> 280 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HL-60 cells
<b>Cited Applications:</b> IF, IHC	<b>IF :</b> HepG2 cells,
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human, mouse	

## Background Information

CEP250, also known as C-Nap1, is a coiled-coil protein that localizes to the proximal ends of mother and daughter centrioles. It is required for centriole-centriole cohesion during interphase of the cell cycle. It dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luigi Cerulo	37250316	iScience	IHC,IF

## Storage

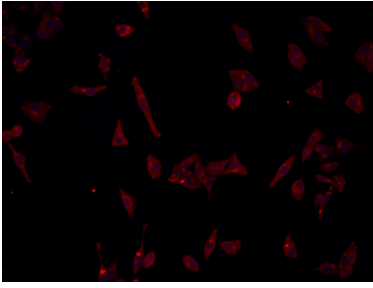
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

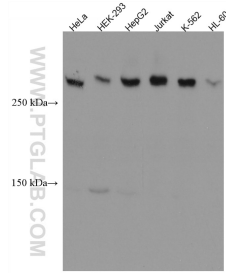
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CEP250,C-NAP1 antibody (66814-1-Ig, Clone: 2G12D12 ) at dilution of 1:773 and Multi- $\gamma$ Ab CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



Various lysates were subjected to SDS PAGE followed by western blot with 66814-1-Ig (CEP250,C-NAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.