CEP72 Conjugated Antibody

Catalog No: #C46478

Package Size: #C46478-AF350 100ul #C46478-AF405 100ul #C46478-AF488 100ul #C46478-AF555 100ul #C46478-AF594 100ul #C46478-AF647 100ul #C46478-AF680 100ul #C46478-AF750 100ul #C46478-Biotin 100ul

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Description

Product Name	CEP72 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CEP72 protein.
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human CEP72
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Accession No.	Swiss-Prot#:Q9P209NCBI Gene ID:55722NCBI mRNA#:NCBI Protein#:BC000132
Uniprot	Q9P209
GeneID	55722;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	72
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Centrosomes are the major microtubule-organizing centers of mammalian cells. They are composed of a centriole pair and surrounding microtubule-nucleating material termed pericentriolar material (PCM). Bipolar mitotic spindle assembly relies on two intertwined processes: centriole duplication and centrosome maturation. Failure to properly orchestrate centrosome duplication and maturation is subsequently linked to spindle defects, which can result in aneuploidy and promote cancer progression. CEP72 (centrosomal protein 72kDa) is a 647 amino acid protein that localizes to the centrosome and centrosome-surrounding particles throughout the cell cycle. Involved in the recruitment of key centrosomal proteins to the centrosome, CEP72 provides centrosomal microtubule-nucleation activity on the ? Tubulin ring complexes and has critical roles in forming a focused bipolar spindle, which is needed for proper tension generation between sister chromatids. CEP72 exists as two alternatively spliced isoforms.

Note: This product is for in vitro research use only