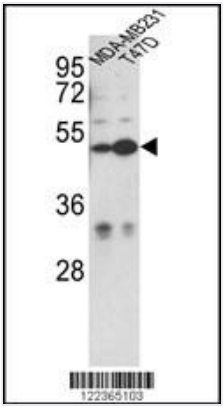
CEP55 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CEP55, Polyclonal Antibody
Full Product Name	CEP55, NT (Centrosomal Protein of 55kD, Cep55, Up-regulated In Colon Cancer 6, URCC6, C10orf3) (Azide free) (HRP)
Product Gene Name	anti-CEP55 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human CEP55.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	54,178 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (95256369..95288849). Location: 10q23.33
OMIM	610000
3D Structure	ModBase 3D Structure for Q53EZ4
Immunogen	Synthetic peptide selected from the N-terminal region of human CEP55 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CEP55 antibody	Antibodies; Centrosomal Proteins
Applications Tested/Suitable for anti-CEP55 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CEP55 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CEP55 antibody	MBS6468614 is an antibody targeting CEP55. Also known as CEP55, NT (Centrosomal Protein of 55kD, Cep55, Up-regulated In Colon Cancer 6, URCC6, C10orf3) (Azide free) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CEP55 antibody	1. Grupe, A., et.al., Am. J. Hum. Genet. 78(1), 78-88 (2006). 2. Fabbro, M., et.al., Dev. Cell 9(4), 477-488 (2005).
Other Notes	Small volumes of anti-CEP55 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CEP55 antibody
Western blot analysis of CEP55 Antibody (N-term) in MDA-MB231, T47D cell line lysates (35ug/lane). CEP55 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEP55. It may not necessarily be applicable to this product.

NCBI GI #	187608545
NCBI GeneID	55165
NCBI Accession #	NP_001120654.1
UniProt Primary Accession #	Q53EZ4
UniProt Secondary Accession #	Q32WF5; Q3MV20; Q5VY28; Q6N034; Q96H32; Q9NVS7; B2RDG8
UniProt Related Accession #	Q53EZ4
GenBank Nucleotide #	NM_001127182.1
NCBI Official Full Name	centrosomal protein of 55 kDa
NCBI Official Synonym Full Names	centrosomal protein 55kDa
NCBI Official Symbol	CEP55
NCBI Official Synonym Symbols	CT111; URCC6; C10orf3
UniProt Protein Name	Centrosomal protein of 55 kDa
UniProt Synonym Protein Names	Up-regulated in colon cancer 6
Protein Family	Centrosomal protein
UniProt Gene Name	CEP55
UniProt Synonym Gene Names	C10orf3; URCC6; Cep55
UniProt Entry Name	CEP55_HUMAN
NCBI Protein Information	centrosomal protein of 55 kDa; cancer/testis antigen 111; up-regulated in colon cancer 6

UniProt Comments for CEP55	CEP55: Plays a role in mitotic exit and cytokinesis. Not required for microtubule nucleation. Recruits PDCD6IP and TSG101 to midbody during cytokinesis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cancer Testis Antigen (CTA); Cell cycle regulation Chromosomal Location of Human Ortholog: 10q23.33 Cellular Component: centriole; centrosome; intercellular bridge; membrane; midbody; cleavage furrow Molecular Function: protein binding Biological Process: establishment of protein localization; cell separation during cytokinesis; cytokinesis after mitosis; mitotic metaphase plate congression; nuclear organization and biogenesis
Research Articles on CEP55	**1.** FLJ10540 may be critical regulator of disease progression in nasopharygeal carcinoma, and the underlying mechanism may involve in the osteopontin/CD44 pathway.
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