

Product Name: KD-Validated CEP55 Mouse Monoclonal Antibody**Catalog #: KVA00426**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 54.2kDa

Antigen Information

Gene Name	CEP55 CEP55; Centrosomal Protein 55; C10orf3; CT111; Up-Regulated In Colon Cancer 6;
Alternative Names	Centrosomal Protein Of 55 KDa; Cancer/Testis Antigen 111; Centrosomal Protein 55kDa; FLJ10540; URCC6; Chromosome 10 Open Reading Frame 3; MARCH; Cep55
Gene ID	55165.0
SwissProt ID	Q53EZ4
Immunogen	Recombinant protein of human CEP55

Background

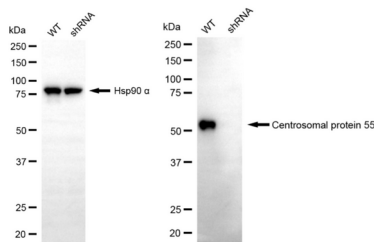
Enables identical protein binding activity. Involved in cranial skeletal system development; establishment of protein localization; and midbody abscission. Acts upstream of or within mitotic cytokinesis. Located in Flemming body and

centrosome. Implicated in multinucleated neurons, anhydramnios, renal dysplasia, cerebellar hypoplasia and hydranencephaly. [provided by Alliance of Genome Resources, Jul 2025]

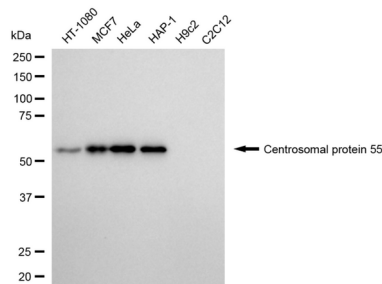
Research Area

Cancer

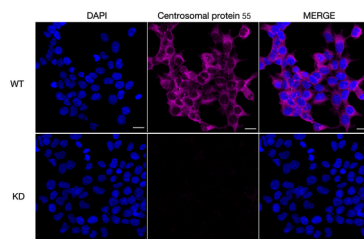
Image Data



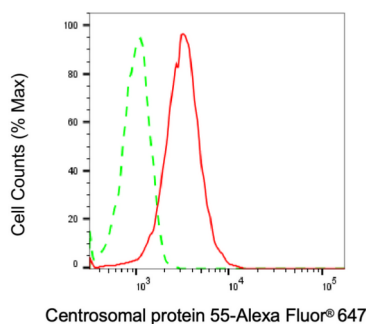
Western blotting analysis using centrosomal protein 55 antibody (KVA00426). Centrosomal protein 55 expression in wild-type (WT) and centrosomal protein 55 (CEP55) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with centrosomal protein 55 antibody (KVA00426, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using centrosomal protein 55 antibody (KVA00426). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with centrosomal protein 55 antibody (KVA00426, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using centrosomal protein 55 antibody (KVA00426, 1:1,000), Top panel: wild-type (WT); Bottom panel: CEP55 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Centrosomal protein 55 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Flow cytometric analysis of Centrosomal protein 55 expression in HeLa cells using Centrosomal protein 55 antibody (KVA00426, 1:1,000). Green, isotype control; red, Centrosomal protein 55.