



## CEP55 Monoclonal Antibody

centriole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cleavage furrow . Midbody, Midbody ring . Present at the centrosomes at interphase. A small portion is associated preferentially with the mother centriole, whereas the majority localizes to the pericentriolar material. During mitosis, loses affinity for the centrosome at the onset of prophase and diffuses throughout the cell. This dissociation from the centrosome is phosphorylation-dependent. May		
Reactivity Human;Rat;Mouse;  Applications WB  Gene Name CEP55  Protein Name Centrosomal protein of 55 kDa  Immunogen The antiserum was produced against synthesized peptide derived from human CEP55. AA range:81-130  Specificity CEP55 Monoclonal Antibody detects endogenous levels of CEP55 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse,IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms CEP55; C10orf3; URCC6; Centrosomal protein of 55 kDa; Cep55; Up-regulated in colon cancer 6  Observed Band 54kD  Cell Pathway Cytoplasm, Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, Cleavage furrow, Midbody, Midbody ring, Present at the centrosome at interphase. A small portion is associated preferentially with mother centrole, whereas the majority localizes to the pericentricolar material. During mitosis, loses affinity for the centrosome at the nose of prophase and diffuses throughout the cell. This dissociation from the centrosome is phosphorylation-dependent. May remain localized at the centrosome during mitosis in certain of these storaughout the cell cavage furrow in late anaphase and in the midbody in cytokinesis.  Tissue Specificity Expressed in embryonic brain (PubMed:28264986). Expressed in south brain, cerebellum, kidney tubules intestine and muscles (et protein level) (PubMed:28264986). Expressed in south train, cerebellum, kidney tubules intestine and muscles (et protein level) (PubMed:28264986). PubMed:28264986). PubMed:28264986). PubMed:28264986). PubMed:28264986). PubMed:28264986).	Catalog No	BYmab-03762
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Gene Name         CEP55           Protein Name         Centrosomal protein of 55 kDa           Immunogen         The antiserum was produced against synthesized peptide derived from human CEP55. AA range:81-130           Specificity         CEP55 Monoclonal Antibody detects endogenous levels of CEP55 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, lgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         CEP55; C10orf3; URCC6; Centrosomal protein of 55 kDa; Cep55; Up-regulated in colon cancer 6           Observed Band         54kD           Cell Pathway         Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome centricle. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cleavage furrow. Midbody, Midbody ring. Present at the centrosomes at interphase. A small portion is associated preferreitally with the mother centrole, whereas the majority localizes to the pericentriolar material. During mitosis, loses affinity for the centrosome at the onset of prophase and diffuses throughout the cell. This dissociation from the centrosome during mitosis in certain cell types. Appears at the cleavage furrow in late anapha	Reactivity	Human;Rat;Mouse;
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	Tissue Specificity	Expressed in embryonic brain (PubMed:28264986). Expressed in fetal brain

Nanjing BYabscience technology Co.,Ltd

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Function

Intermediate levels in adult and fetal thymus, as well as in various cancer cell lines. Low levels in different parts of the digestive tract, bone marrow, lymph nodes, placenta, fetal heart and fetal spleen. Hardly detected in brain.

function:Plays a role in mitotic exit and cytokinesis. Not required for microtubule nucleation. Recruits PDCD6IP and TSG101 to midbody during cytokinesis.,PTM:There is a hierarchy of phosphorylation, where both Ser-425 and Ser-428 are phosphorylated at the onset of mitosis, prior to Ser-436. Phosphorylation at Ser-425 and Ser-428 is required for dissociation from the centrosome at the G2/M boundary. Phosphorylation at the 3 sites, Ser-425, Ser-428 and Ser-436, is required for protein function at the final stages of cell division to complete cytokinesis successfully.,subcellular location:Present at the centrosomes at interphase. A small portion is associated preferentially with the mother centriole, whereas the majority localizes to the pericentriolar material. During mitosis, loss of affinity for the centrosome at the onset of prophase and diffusion throughout the cell. This dissociation

**Background** 

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

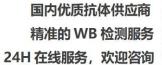
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images** 

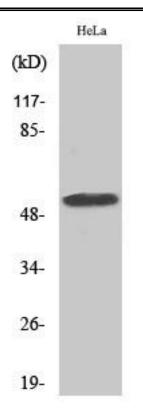
Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658









Western Blot analysis of various cells using CEP55 Monoclonal Antibody