

# CEP55 Rabbit mAb

Catalog # AP76438

## Product Information

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Application	WB, ICC
Primary Accession	<a href="#">Q53EZ4</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	54178

## Additional Information

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Gene ID	55165
Other Names	CEP55
Dilution	WB~~1/500-1/1000 ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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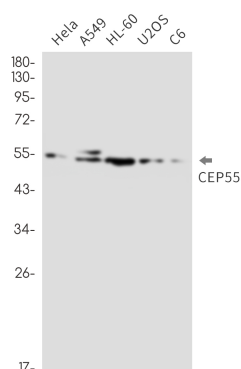
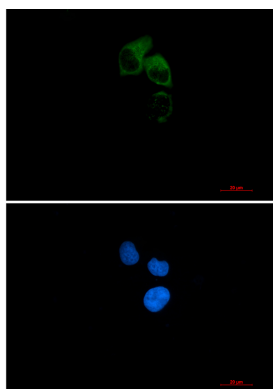
Name	CEP55 ( <a href="#">HGNC:1161</a> )
Function	Plays a role in mitotic exit and cytokinesis (PubMed: <a href="#">16198290</a> , PubMed: <a href="#">17853893</a> ). Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis (PubMed: <a href="#">17853893</a> ). Not required for microtubule nucleation (PubMed: <a href="#">16198290</a> ). Plays a role in the development of the brain and kidney (PubMed: <a href="#">28264986</a> ).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cleavage furrow. Midbody, Midbody ring. Note=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 remain localized at the centrosome during mitosis in certain cell types. Appears at the cleavage furrow in late anaphase and in the midbody in cytokinesis

## Tissue Location

Expressed in embryonic brain (PubMed:28264986). Expressed in fetal brain ganglionic eminence, kidney tubules and multinucleate neurons in the temporal cortex (PubMed:28264986) Expressed in adult brain, cerebellum, kidney tubules, intestine and muscles (at protein level) (PubMed:28264986, PubMed:28295209). Widely expressed, mostly in proliferative tissues. Highly expressed in testis 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.

## Images

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