

**CEP55 Polyclonal Antibody**  
**Catalog # AP69045****Specification**

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**CEP55 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q53EZ4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**CEP55 Polyclonal Antibody - Additional Information****Gene ID** 55165**Other Names**

CEP55; C10orf3; URCC6; Centrosomal protein of 55 kDa; Cep55; Up-regulated in colon cancer 6

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CEP55 Polyclonal Antibody - Protein Information****Name** CEP55 ([HGNC:1161](#))**Function**

Plays a role in mitotic exit and cytokinesis (PubMed:<a href="http://www.uniprot.org/citations/16198290" target="\_blank">16198290</a>, PubMed:<a href="http://www.uniprot.org/citations/17853893" target="\_blank">17853893</a>). Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis (PubMed:<a href="http://www.uniprot.org/citations/17853893" target="\_blank">17853893</a>). Not required for microtubule nucleation (PubMed:<a href="http://www.uniprot.org/citations/16198290" target="\_blank">16198290</a>). Plays a role in the development of the brain and kidney (PubMed:<a href="http://www.uniprot.org/citations/28264986" target="\_blank">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

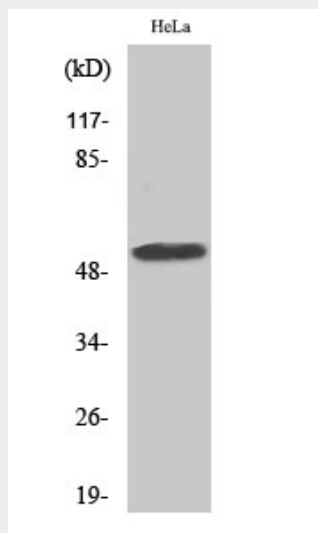
Expressed in embryonic brain (PubMed:28264986). Expressed in fetal brain ganglionic eminence, kidney tubules and multinucleate neurons in the temporal cortex (PubMed:28264986) Expressed in adult brain, cerebellum, kidney tubules, intestine and muscles (at protein level) (PubMed:28264986, PubMed:28295209).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

#### CEP55 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### CEP55 Polyclonal Antibody - Images



#### CEP55 Polyclonal Antibody - Background

Plays a role in mitotic exit and cytokinesis (PubMed:16198290, PubMed:17853893). Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis (PubMed:17853893). Not required for microtubule nucleation (PubMed:16198290). Plays

a role in the development of the brain and kidney (PubMed:28264986).

**CEP55 Polyclonal Antibody - Citations**

- [CEP55 Positively Affects Tumorigenesis of Esophageal Squamous Cell Carcinoma and Is Correlated with Poor Prognosis](#)