

**CEP78 Blocking Peptide (N-term)**

Synthetic peptide  
Catalog # BP5395a

**Specification**

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**CEP78 Blocking Peptide (N-term) - Product Information**

Primary Accession [O5JTW2](#)  
Other Accession [NP\\_001092272.1](#), [NP\\_115547.1](#)

**CEP78 Blocking Peptide (N-term) - Additional Information**

Gene ID 84131

**Other Names**

Centrosomal protein of 78 kDa, Cep78, CEP78, C9orf81

**Target/Specificity**

The synthetic peptide sequence is selected from aa 39-52 of HUMAN CEP78

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CEP78 Blocking Peptide (N-term) - Protein Information**

Name CEP78

Synonyms C9orf81

**Function**

May be required for efficient PLK4 centrosomal localization and PLK4-induced overduplication of centrioles (PubMed:<a href="http://www.uniprot.org/citations/27246242" target="\_blank">27246242</a>). May play a role in cilium biogenesis (PubMed:<a href="http://www.uniprot.org/citations/27588451" target="\_blank">27588451</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body. Note=Mainly localizes at the centriolar wall, but also found in the pericentriolar material (PubMed:27246242). Expressed in photoreceptor inner segment (PubMed:27588452).

**Tissue Location**

Widely expressed (PubMed:27588451, PubMed:27588452). Expressed in different retinal cell types with higher expression in cone compared to rod cells (at protein level) (PubMed:27588452).

### **CEP78 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **CEP78 Blocking Peptide (N-term) - Images**

### **CEP78 Blocking Peptide (N-term) - References**

Petretti, C., et al. EMBO Rep. 7(4):418-424(2006)  
Andersen, J.S., et al. Nature 426(6966):570-574(2003)  
Casenghi, M., et al. Dev. Cell 5(1):113-125(2003)  
Takahashi, M., et al. Mol. Biol. Cell 13(9):3235-3245(2002)  
Mayor, T., et al. J. Cell Biol. 151(4):837-846(2000)  
Golsteyn, R.M., et al. J. Cell Biol. 129(6):1617-1628(1995)