

**CDC123 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8913b****Specification**

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**CDC123 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O75794](#)**CDC123 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 8872**Other Names**

Cell division cycle protein 123 homolog, Protein D123, HT-1080, PZ32, CDC123, C10orf7, D123

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8913b](/products/AP8913b) was selected from the C-term region of human CDC123. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**CDC123 Antibody (C-term) Blocking Peptide - Protein Information****Name** CDC123**Synonyms** C10orf7, D123**Function**

ATP-dependent protein-folding chaperone for the eIF2 complex (PubMed: [35031321](http://www.uniprot.org/citations/35031321), PubMed: [37507029](http://www.uniprot.org/citations/37507029)). Binds to the gamma subunit of the eIF2 complex which allows the subunit to assemble with the alpha and beta subunits (By similarity).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q62834}.

**Tissue Location**

Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes with the highest expression in testis.

### **CDC123 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **CDC123 Antibody (C-term) Blocking Peptide - Images**

### **CDC123 Antibody (C-term) Blocking Peptide - Background**

CDC123 is required for S phase entry of the cell cycle (By similarity).

### **CDC123 Antibody (C-term) Blocking Peptide - References**

Lango Allen,H., et.al., Diabetes 59 (1), 266-271 (2010)Schulze,M.B., et.al., Diabetes Care 32 (11), 2116-2119 (2009)