10320 Camino Santa Fe, Suite G
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CDC123 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8913b

Specification

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 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, PubMed: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

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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)