

CDK10 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7516a**Specification****CDK10 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [Q15131](#)**CDK10 Antibody (N-term) Blocking Peptide -
Additional Information****Gene ID** 8558**Other Names**Cyclin-dependent kinase 10, Cell division
protein kinase 10, Serine/threonine-protein
kinase PISSLRE, CDK10**Target/Specificity**

The synthetic peptide sequence used to
generate the antibody [AP7516a](/product/products/AP7516a) was
selected from the N-term region of human
CDK10 . 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.

**CDK10 Antibody (N-term) Blocking Peptide -
Protein Information****Name** CDK10**CDK10 Antibody (N-term) Blocking
Peptide - Background**

CDK10 belongs to the CDK subfamily of the
Ser/Thr protein kinase family. The CDK
subfamily members are highly similar to the
gene products of *S. cerevisiae* cdc28, and *S.*
pombe cdc2, and are known to be essential for
cell cycle progression. This kinase has been
shown to play a role in cellular proliferation. Its
function is limited to cell cycle G2-M phase.

**CDK10 Antibody (N-term) Blocking
Peptide - References**

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Function

Cyclin-dependent kinase that phosphorylates the transcription factor ETS2 (in vitro) and positively controls its proteasomal degradation (in cells) (PubMed:24218572). Involved in the regulation of actin cytoskeleton organization through the phosphorylation of actin dynamics regulators such as PKN2. Is a negative regulator of ciliogenesis through phosphorylation of PKN2 and promotion of RhoA signaling (PubMed:27104747).

Cellular Location

Cytoplasm, cytoskeleton, cilium basal body

CDK10 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)