

CABLES1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9828b**Specification**

CABLES1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8TDN4](#)**CABLES1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 91768**Other Names**

CDK5 and ABL1 enzyme substrate 1, Interactor with CDK3 1, Ik3-1, CABLES1, CABLES

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.

CABLES1 Antibody (C-term) Blocking Peptide - Protein Information**Name** CABLES1**Synonyms** CABLES**Function**

Cyclin-dependent kinase binding protein. Enhances cyclin- dependent kinase tyrosine phosphorylation by nonreceptor tyrosine kinases, such as that of CDK5 by activated ABL1, which leads to increased CDK5 activity and is critical for neuronal development, and that of CDK2 by WEE1, which leads to decreased CDK2 activity and growth inhibition. Positively affects neuronal outgrowth. Plays a role as a regulator for p53/p73-induced cell death (By similarity).

Cellular Location

Nucleus. Cytoplasm. Note=Located in the cell body and proximal region of the developing axonal shaft of immature neurons. Located in axonal growth cone, but not in the distal part of the axon shaft or in dendritic growth cone of mature neurons (By similarity).

Tissue Location

Expressed in breast, pancreas, colon, head and neck (at protein level). Strongly decreased in more than half of cases of atypical endometrial hyperplasia and in more than 90% of endometrial cancers.

CABLES1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CABLES1 Antibody (C-term) Blocking Peptide - Images**CABLES1 Antibody (C-term) Blocking Peptide - Background**

CABLES1 is a cyclin-dependent kinase (CDK)-binding protein that plays a role in proliferation and/or differentiation.

CABLES1 Antibody (C-term) Blocking Peptide - References

Okada, Y., et al. Hum. Mol. Genet. (2010) In press :Sovio, U., et al. PLoS Genet. 5 (3), E1000409 (2009) :Caporaso, N., et al. PLoS ONE 4 (2), E4653 (2009) :Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)Zhang, H., et al. Cancer Biol. Ther. 4(11):1211-1215(2005)