

CDK2AP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4794c**Specification**

CDK2AP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O14519](#)**CDK2AP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 8099**Other Names**

Cyclin-dependent kinase 2-associated protein 1, CDK2-associated protein 1, Deleted in oral cancer 1, DOC-1, Putative oral cancer suppressor, CDK2AP1, CDKAP1, DOC1

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.

CDK2AP1 Antibody (Center) Blocking Peptide - Protein Information**Name** CDK2AP1**Synonyms** CDKAP1, DOC1**Function**

Inhibitor of cyclin-dependent kinase CDK2 (By similarity). Also acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:20523938, PubMed:16428440, PubMed:28977666).

Cellular Location

Nucleus. Chromosome

CDK2AP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDK2AP1 Antibody (Center) Blocking Peptide - Images

CDK2AP1 Antibody (Center) Blocking Peptide - Background

CDK2AP1 is a specific CDK2-associated protein, which is thought to negatively regulate CDK2 activity by sequestering monomeric CDK2, and targeting CDK2 for proteolysis. This protein was found to also interact with DNA polymerase alpha/primase and mediate the phosphorylation of the large p180 subunit, which suggested the regulatory role in DNA replication during S phase of the cell cycle. A similar gene in hamster was isolated from, and functions as a growth suppressor of normal keratinocytes.

CDK2AP1 Antibody (Center) Blocking Peptide - References

Davidsson, J., et al. Hum. Mol. Genet. 18(21):4054-4065(2009) Zolochovska, O., et al. Prostate 69(14):1586-1597(2009) Hiyoshi, Y., et al. Oncol. Rep. 22(1):35-39(2009)