

DMAP1 Blocking Peptide
Catalog # PBV10338b**Specification**

DMAP1 Blocking Peptide - Product Information

Primary Accession	Q9NPF5
Gene ID	55929
Calculated MW	52993

DMAP1 Blocking Peptide - Additional Information**Gene ID** 55929**Application & Usage**

The peptide is used for blocking the antibody activity of DMAP1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

DNA methyltransferase 1-associated protein 1, DNMAP1, DNMT1-associated protein 1, DMAP1, KIAA1425

Target/Specificity

DMAP1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

DMAP1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

DMAP1 Blocking Peptide - Protein Information**Name** DMAP1**Synonyms** KIAA1425**Function**

Involved in transcription repression and activation. Its interaction with HDAC2 may provide a

mechanism for histone deacetylation in heterochromatin following replication of DNA at late firing origins. Can also repress transcription independently of histone deacetylase activity. May specifically potentiate DAXX-mediated repression of glucocorticoid receptor-dependent transcription. Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Participates in the nuclear localization of URI1 and increases its transcriptional corepressor activity.

Cellular Location

Nucleus. Cytoplasm. Note=Targeted to replication foci throughout S phase by DNMT1

DMAP1 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DMAP1 Blocking Peptide - Images