

DMAP1 Antibody

Rabbit mAb Catalog # AP92631

Product Information

Application WB, IF, ICC Primary Accession Q9NPF5

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names DNA methyltransferase 1 associated protein 1; DNMAP1; DNMTAP1; EAF2;

SWC4;

IsotypeRabbit IgGHostRabbitCalculated MW52993

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human DMAP1

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

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

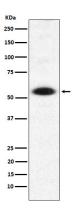
acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively 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

Images



Western blot analysis of DMAP1 expression in Hela cell lysate.

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