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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;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	52993

Additional Information

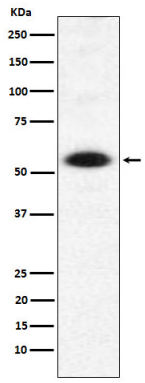
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DMAP1
Description	Involved in transcription repression and activation. Its interaction with HDAC2 may provide a mechanism for histone deacetylation in heterochromatin following 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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