

# DMAP1 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI10437

#### **Product Information**

Application WB
Primary Accession Q9NPF5

Other Accession NM 001034024, NP 001029196

**Reactivity** Human, Mouse, Rat, Zebrafish, Dog, Bovine

**Predicted** Human, Mouse, Rat, Zebrafish, Chicken, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 52993

### **Additional Information**

**Gene ID** 55929

Alias Symbol EAF2, SWC4, MEAF2, DNMAP1, DNMTAP1

Other Names DNA methyltransferase 1-associated protein 1, DNMAP1, DNMT1-associated

protein 1, DMAP1, KIAA1425

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 100 ul of distilled water. Final anti-DMAP1 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

**Precautions** DMAP1 antibody - N-terminal region is for research use only and not for use

in diagnostic or therapeutic procedures.

### **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.

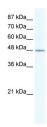
#### **Cellular Location**

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

#### References

Oh,J.H., et al., (2005) Mamm. Genome 16 (12), 942-954Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## **Images**



WB Suggested Anti-DMAP1 Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.