

Product datasheet

Anti-DMAP1 antibody ab3737

★★★★☆ 1 Abreviews 2 Images

Overview

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<b>Product name</b>	Anti-DMAP1 antibody
<b>Description</b>	Goat polyclonal to DMAP1
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide (Human) - which represented a portion of human DNA methyltransferase 1-associated protein 1 encoded within exon 8.
<b>Positive control</b>	HeLa cell lysate.
<b>General notes</b>	Involved in transcription repression. Its interaction with HDAC2 may provide a platform for how histones may become deacetylated in heterochromatin following replication. Can repress transcription independently of histone deacetylase activity.

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
<b>Purity</b>	Immunogen affinity purified
<b>Primary antibody notes</b>	Involved in transcription repression. Its interaction with HDAC2 may provide a platform for how histones may become deacetylated in heterochromatin following replication. Can repress transcription independently of histone deacetylase activity.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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Our [Abpromise guarantee](#) covers the use of **ab3737** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★☆	1/200.
WB		1/1000 - 1/5000. Predicted molecular weight: 65 kDa.

## Target

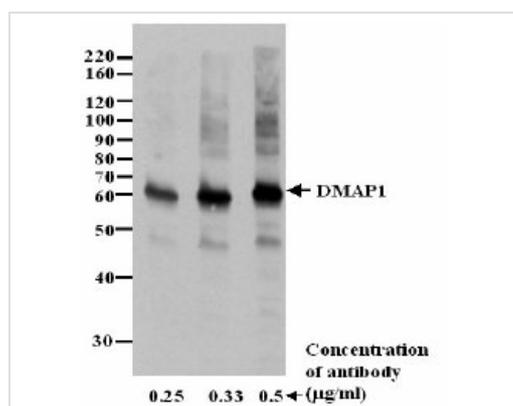
### Relevance

DMAP1 is 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 histone 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.

### Cellular localization

Nuclear

## Images



Western blot - Anti-DMAP1 antibody (ab3737)

Sample: HeLa cell lysate (50µg/lane)

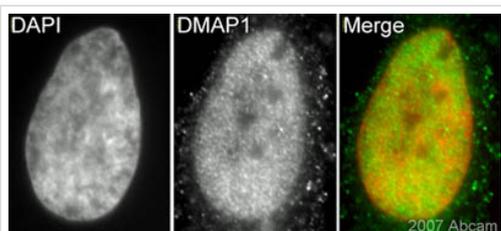
Antibody: Affinity purified Goat anti-DMAP 1 (ab3737) used at the concentrations indicated.

Detection: ECL exposed for 2 minutes.

Sample: HeLa cell lysate (50µg/lane)

Antibody: Affinity purified Goat anti-DMAP 1 (ab3737) used at the concentrations indicated.

Detection: ECL exposed for 2 minutes.



Immunocytochemistry/ Immunofluorescence - Anti-  
DMAP1 antibody (ab3737)

This image is courtesy of an Abreview submitted by Dr  
Kirk McManus

ab3737 (1/200) staining DMAP1 in  
assynchronous HeLa cells. Cells were fixed in  
paraformaldehyde and counterstained with  
DAPI in order to highlight the nucleus. Please  
refer to abreview for further experimental  
details.

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