

DMAP1 Polyclonal Antibody

CATALOG NO: 3715-30T 30 µg (Trial size)
3715-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 438 of mouse DMAP1 (ID# BV-361).

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

SPECIES REACTIVITY: Human, Mouse, Rat

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

DNA methylation can help regulate transcriptional silencing via repressive transcription complexes, which include methyl-CpG-binding domain protein and Histone deacetylases (HDACs) DNMT1. This core enzyme for mammalian DNA methylation can also establish a repressive transcription complex consisting of DNMT1, HDAC2 and DMAP1. DMAP1 can interact directly with the transcriptional corepressor TSG101. The DNMT1-DMAP1 exists throughout the S-phase; HDAC2 joins DNMT1 and DMAP1 only during Late S phase. This provides a regulated means to deacetylate heterochromatin following replication

SPECIFICITY:

The antibody recognizes the DMAP1 of human, mouse and rat origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5 – 4 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate (Cat.# 2401-100) and mouse small intestine tissue lysate (Cat.2601-100) can be used as positive controls.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
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- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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