

Rabbit DMAP1 Polyclonal Antibody | anti-DMAP1 antibody

Anti-DMAP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126332	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

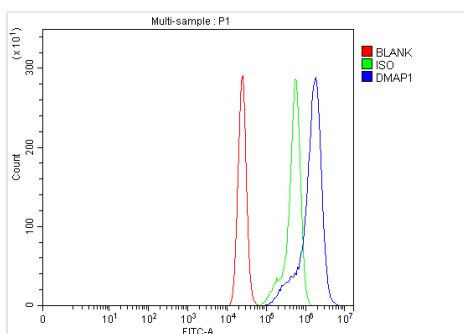
PRODUCT SYNONYMS

DMAP1; Polyclonal Antibody; Anti-DMAP1 Antibody Picoband; anti-DMAP1 antibody

PRODUCT SPECIFICATIONS

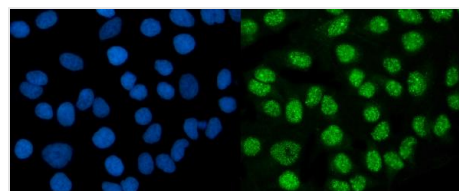
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DMAP1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human DMAP1 recombinant protein (Position: H54-A401).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



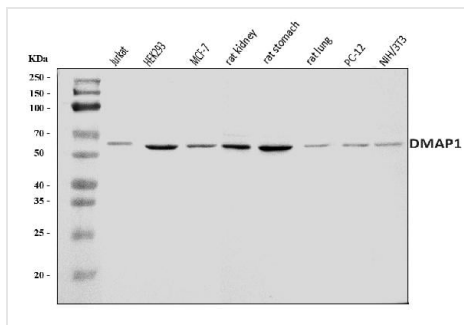
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of CACO-2 cells using anti-DMAP1 antibody (AAA126332). Overlay histogram showing CACO-2 cells stained with AAA126332 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DMAP1 Antibody (AAA126332, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of DMAP1 using anti-DMAP1 antibody (AAA126332). DMAP1 was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-DMAP1 Antibody (AAA126332) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of DMAP1 using anti-DMAP1 antibody (AAA126332). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: rat kidney tissue lysates, Lane 5: rat stomach tissue lysates, Lane 6: rat lung tissue lysates, Lane 7: rat PC-12 whole cell lysates, Lane 8: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DMAP1 antigen affinity purified polyclonal antibody (#AAA126332) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DMAP1 at approximately 53-60 kDa. The expected band size for DMAP1 is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DMAP1 antibody	DNA methyltransferase 1-associated protein 1 is an enzyme that in humans is encoded by the DMAP1 gene. This gene encodes a subunit of several, distinct complexes involved in the repression or activation of transcription. The encoded protein can independently repress transcription and is targeted to replication foci throughout S phase by interacting directly with the N-terminus of DNA methyltransferase 1. During late S phase, histone deacetylase 2 is added to this complex, providing a means to deacetylate histones in transcriptionally inactive heterochromatin following replication. The encoded protein is also a component of the nucleosome acetyltransferase of H4 complex and interacts with the transcriptional corepressor tumor susceptibility gene 101 and the pro-apoptotic death-associated protein 6, among others. Alternatively spliced transcript variants encoding the same protein have been described.
Product Categories/Family for anti-DMAP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	78000213
NCBI GeneID	55929
NCBI Accession #	NP_001029196.1
NCBI GenBank Nucleotide #	NM_001034024.1
UniProt Accession #	Q9NPF5 ; Q0JSM4 ; Q5TG41 ; Q7Z3H7 ; Q9H0S8 ; Q9P2C2 ; A8K001 ; D3DPY8 ; Q5TG36 ; Q5TG37 ; Q5TG38 ; Q5TG40
Molecular Weight	52,993 Da
NCBI Official Full Name	DNA methyltransferase 1-associated protein 1
NCBI Official Synonym Full Names	DNA methyltransferase 1 associated protein 1
NCBI Official Symbol	DMAP1
NCBI Official Synonym Symbols	EAF2; SWC4; MEAF2; DNMAP1; DNMTAP1; FLJ11543; KIAA1425; DKFZp686L09142

NCBI Protein Information	DNA methyltransferase 1-associated protein 1; OTTHUMP00000008845; OTTHUMP00000008846; OTTHUMP00000008847; OTTHUMP00000008891; DNMT1 associated protein 1; DNMT1-associated protein 1
UniProt Protein Name	DNA methyltransferase 1-associated protein 1
UniProt Gene Name	DMAP1
UniProt Synonym Gene Names	KIAA1425
UniProt Entry Name	DMAP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dmap1-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126332>