

Mouse DCP2 (Decapping mRNA 2) Monoclonal Antibody | anti-DCP2 antibody

DCP2 (Decapping mRNA 2) Mouse Monoclonal Antibody [Clone PCRP-DCP2-1D6]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215594	Mouse	Human Predicted to react with Mouse and Rat.	Immunofluorescence, Flow Cytometry, Functional Assay, Immunoprecipitation

PRODUCT SYNONYMS

DCP2 (Decapping mRNA 2); Monoclonal Antibody; DCP2 (Decapping mRNA 2) Mouse Monoclonal Antibody [Clone PCRP-DCP2-1D6]; DCP2 decapping enzyme homolog (*S. cerevisiae*); DFLJ33245; hDpc; m7GpppN-mRNA hydrolase; mRNA decapping enzyme 2; nudix (nucleoside diphosphate linked moiety X)-type motif 20 (NUDT20); anti-DCP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to react with Mouse and Rat.
Clonality	Monoclonal
Isotype	Mouse/IgG2a
Clone Number	PCRP-DCP2-1D6
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-DCP2 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Immunogen	Recombinant full-length human DCP2 protein
Cellular Localization	Cytoplasm > P, body, Nucleus, Predominantly cytoplasmic, in processing bodies (PB), A minor amount is nuclear
Positive Control	MCF7, Daudi or Jurkat cells.
Hu-chromosome Location	5q22.2
Unigene	443875
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified DCP2 Mouse Monoclonal Antibody (PCRP-DCP2-1D6).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DCP2 antibody	The major pathway of eukaryotic mRNA decay involves deadenylation-dependent decapping followed by 5' to 3' exonucleolytic degradation. Human decapping enzyme 2 (hDcp2) is an mRNA decapping enzyme which contains intrinsic decapping activity. In nonsense-mediated decay, the human decapping complex, made up of hDcp1 and hDcp2, may be recruited to mRNAs containing premature termination codons by nonsense-mediated decay factor (Upf) proteins. The decapping activator complex (Lsm1p-7p) is also involved in the recruitment of the decapping complex, indicated by data showing that Lsm1p-7p enhances the co-immunoprecipitation of the complex with mRNA. Dcp2 specifically hydrolyzes methylated capped RNA to release m7GDP, thereby aiding in mRNA degradation. Both Dcp1 and Dcp2 co-localize in the cytoplasm, which is consistent with their role in mRNA decay
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542498
NCBI GeneID	167227
NCBI Accession #	NP_689837
NCBI GenBank Nucleotide #	NM_152624.5
UniProt Accession #	Q8IU60; Q6P2D4; Q7Z5W5; Q8NBG5; C9J778
Molecular Weight	46 kDa
NCBI Official Full Name	m7GpppN-mRNA hydrolase isoform 1
NCBI Official Synonym Full Names	decapping mRNA 2
NCBI Official Symbol	DCP2
NCBI Official Synonym Symbols	NUDT20
NCBI Protein Information	m7GpppN-mRNA hydrolase; hDpc; mRNA-decapping enzyme 2; DCP2 decapping enzyme homolog; nudix (nucleoside diphosphate linked moiety X)-type motif 20
UniProt Protein Name	m7GpppN-mRNA hydrolase
UniProt Gene Name	DCP2
UniProt Synonym Gene Names	NUDT20; Nudix motif 20; hDpc
UniProt Entry Name	DCP2_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/monoclonal/dcp2-decapping-mrna-2-antibody-clone-pcrp-dcp2-1d6-immunofluorescence-flow-cytometry-immunoprecipitation-elisa/215594>