

DCP1B Antibody (center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9888c

Product Information

Application	FC, WB, E
Primary Accession	Q8IZD4
Reactivity	Human
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24473
Calculated MW	67723
Antigen Region	261-290

Additional Information

Gene ID	196513
Other Names	mRNA-decapping enzyme 1B, 3---, DCP1B
Target/Specificity	This DCP1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-290 amino acids of human DCP1B.
Dilution	FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DCP1B Antibody (center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DCP1B
Function	May play a role in the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. May remove the 7- methyl guanine cap structure from mRNA molecules, yielding a 5'- phosphorylated mRNA fragment and 7m-GDP (By similarity).

Background

DCP1B is a core component of the mRNA decapping complex, a key factor in the regulation of mRNA decay.

References

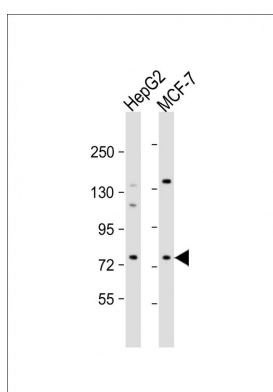
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)

Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)

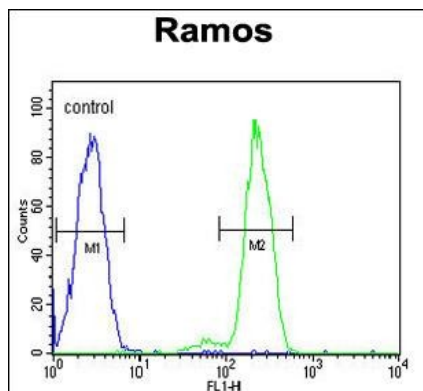
Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)

Cougot, N., et al. J. Cell Biol. 165(1):31-40(2004)

Images



All lanes : Anti-DCP1B Antibody (center) at 1:1000 dilution
Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



DCP1B Antibody (center) (Cat. #AP9888c) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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