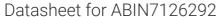
antibodies .- online.com







anti-DCP2 antibody



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Quantity:	100 μg	
Target:	DCP2	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This DCP2 antibody is un-conjugated	
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP)	
Product Details		
Immunogen:	Recombinant full-length human DCP2 protein	
Isotype:	IgG2a	
Specificity:	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

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-

decapping complex, indicated by data showing that Lsm1p-7p enhances the co-

localize in the cytoplasm, which is consistent with their role in mRNA decay

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

Cross-Reactivity (Details): Human. Predicted to react with Mouse and Rat.

Product Details Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. **Target Details** DCP2 Target: Alternative Name DCP2 (DCP2 Products) Background: 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), DCP2 (Decapping mRNA 2) Cellular localisation: Cytoplasm > P. body. Nucleus. Predominantly cytoplasmic, in processing bodies (PB). A minor amount is nuclear. Molecular Weight: 48.4kDa Gene ID: 167227, 443875 UniProt: Q8IU60 **Application Details Application Notes:** Known_Application: Immunoprecipitation (1-2 μg per 100-500 μg of total protein), ,Flow Cytometry (1-2 µg/million cells), ,Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: MCF7, Daudi or Jurkat cells. Restrictions: For Research Use only Handling Concentration: 1.0 mg/mL Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide. Azide free Preservative: -20 °C,-80 °C Storage: Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Nonhazardous.

24 months

Expiry Date: