

# DCP1A Recombinant antibody

Catalog Number: 85047-5-RR

## Basic Information

<b>Catalog Number:</b> 85047-5-RR	<b>GenBank Accession Number:</b> BC007439	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 55802	<b>CloneNo.:</b> 242553F2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NPI6	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> DCP1 decapping enzyme homolog A (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG18027	<b>Calculated MW:</b> 582 aa, 63 kDa	
	<b>Observed MW:</b> 70-75 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HCT 116 cells, HEK-293 cells, Jurkat cells, MCF-7 cells, SW480 cells, mouse brain tissue, rat brain tissue

**IHC :** mouse brain tissue, human colon cancer tissue

**IF/ICC :** HepG2 cells,

## Background Information

DCP1 decapping enzyme homolog A (S. cerevisiae), known as mRNA-decapping enzyme 1A (DCP1A), is necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Contributes to the transactivation of target genes after stimulation by TGFβ1. This antibody specifically reacts with the 70kd DCP1A protein.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

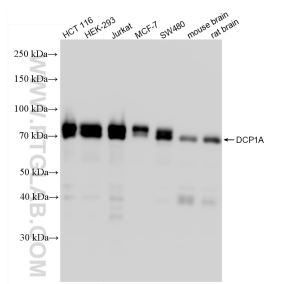
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

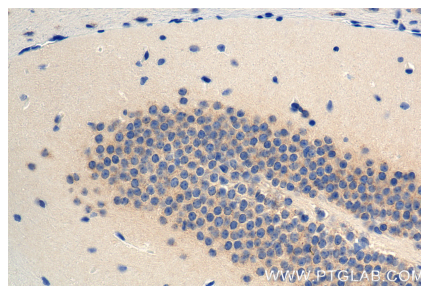
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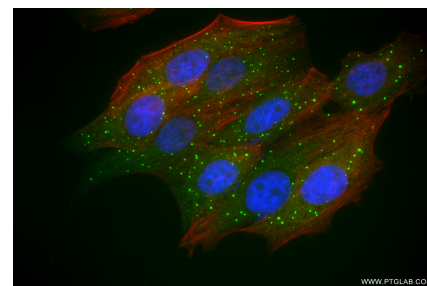
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85047-5-RR (DCP1A antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85047-5-RR (DCP1A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DCP1A antibody (85047-5-RR, Clone: 242553F2) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).