

## DCP1A Rabbit mAb

Catalog No: #59727

Package Size: #59727-1 50ul #59727-2 100ul

## Description

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Product Name          | DCP1A Rabbit mAb                                                                                   |
| Host Species          | Rabbit                                                                                             |
| Clonality             | Monoclonal                                                                                         |
| Isotype               | Rabbit IgG                                                                                         |
| Purification          | Affinity-chromatography                                                                            |
| Applications          | WB IHC ICC/IF                                                                                      |
| Species Reactivity    | Human Mouse Rat                                                                                    |
| Specificity           | DCP1A Antibody detects endogenous levels of total DCP1A                                            |
| Immunogen Description | A synthesized peptide derived from human DCP1A                                                     |
| Other Names           | Dcp1a; HSA275986; Nbla00360; SMAD4IP1; SMIF;                                                       |
| Accession No.         | Uniprot:Q9NPI6                                                                                     |
| Calculated MW         | Predicted band size: 63 kDa                                                                        |
| SDS-PAGE MW           | Observed band size: 75 kDa                                                                         |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                     |

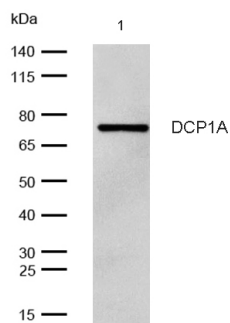
## Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

## Images



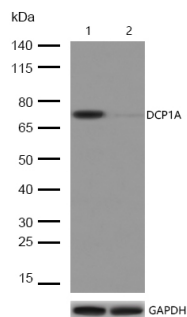
All lanes: DCP1A Rabbit mAb at 1/1k dilution

Lane 1 : 293T whole cell lysates  
Lysates/proteins at 20 µg per lane.

Secondary  
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 63 kDa  
Observed band size: 75 kDa

Exposure time: 6 seconds

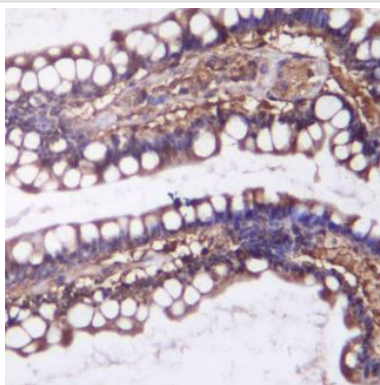


All lanes: DCP1A Rabbit mAb at 1/1k dilution

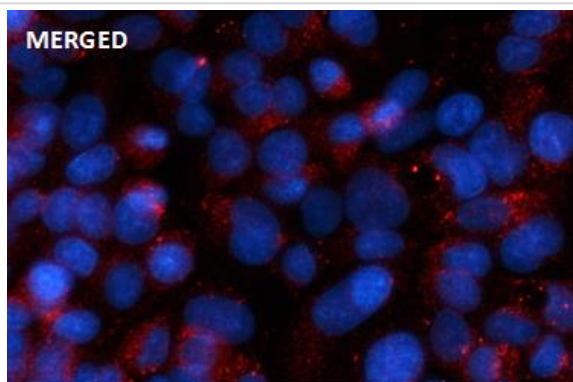
Lane 1 : Wild-type HT-1080 cell lysate

Lane 2 : DCP1A Rabbit mAb knockdown HT-1080 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for DCP1A using 59727 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence DCP1A antibody (59727) ICC/IF staining of DCP1A in HepG2 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59727 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

## Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.