

# Product Datasheet

## DCP2 Antibody - BSA Free NBP1-41070

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-41070**

DCP2 Antibody - BSA Free

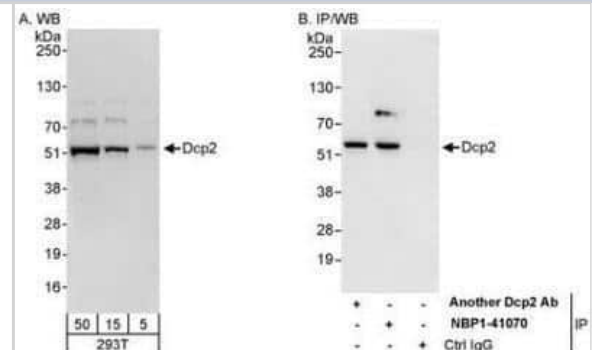
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	167227
Gene Symbol	DCP2
Species	Human
Immunogen	The immunogen for this product maps to a region between residue 370 and 420 of human mRNA-decapping enzyme 2 using the numbering given in entry NP_689837.2 (GeneID 167227).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 27918561), Immunoprecipitation 5-15 ug/mg lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

**Images**

Western Blot: DCP2 Antibody [NBP1-41070] - Whole cell lysate (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from 293T cells. Affinity purified rabbit anti-Dcp2 used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 10 mcg/mg lysate. Dcp2 was also immunoprecipitated by another rabbit anti-Dcp2 antibody, which recognizes an upstream epitope.



**Publications**

Na Z, Luo Y, Schofield JA et al. The NBDY Microprotein Regulates Cellular RNA Decapping Biochemistry 2020-10-27 [PMID: 33059440] (Western Blot, Immunocytochemistry/ Immunofluorescence, Human)

Na Z, Luo Y, Cui DS et al. Phosphorylation of a Human Microprotein Promotes Dissociation of Biomolecular Condensates Journal of the American Chemical Society 2021-08-18 [PMID: 34346674] (Western Blot, Immunocytochemistry/ Immunofluorescence, Human)

Luo Y, Schofield JA, Na Z et al. Discovery of cellular substrates of human RNA-decapping enzyme DCP2 using a stapled bicyclic peptide inhibitor Cell chemical biology 2020-12-18 [PMID: 33357462]

Luo Y, Na Z, Slavoff S Discovery of cellular substrates of human RNA decapping enzyme Dcp2 using a stapled bicyclic peptide inhibitor ChemRxiv Jul 20 2020 12:00AM (WB, Human)

Luo Y, Schofield JA, Simon MD, Slavoff SA Global Profiling of Cellular Substrates of Human Dcp2 Biochemistry 2020-05-14 [PMID: 32365300] (WB, Human)

Luo Y, Na Z, Slavoff S Phage-Display Selection of a Cell-Permeable Bicyclic Peptide as a Selective Ligand of the Human RNA Decapping Enzyme Dcp2 ChemRxiv 2020-05-12 (WB, Human)

Luo Y, Na Z, Slavoff SA Phage-display selection identifies a cell-permeable bicyclic peptide as a modulator of the human RNA decapping enzyme Dcp2 chemrxiv.org Jan 1 2020 12:00AM (WB, Human)

D'Lima NG, Ma J, Winkler L et al. A human microprotein that interacts with the mRNA decapping complex. Nat Chem Biol 2017-02-01 [PMID: 27918561] (ICC/IF, WB, Human)





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### **Products Related to NBP1-41070**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00167227-P01-10ug	Recombinant Human DCP2 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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