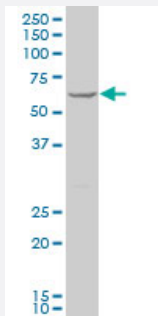


DCP1A polyclonal antibody (A01)

Catalog # H00055802-A01

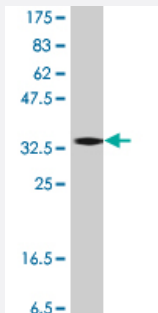
Size 50 uL

Applications



Western Blot (Cell lysate)

DCP1A polyclonal antibody (A01), Lot # 060428JCS1. Western Blot analysis of DCP1A expression in Raw 264.7.



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant DCP1A.
Immunogen	DCP1A (NP_060873, 186 a.a. ~ 285 a.a) partial recombinant protein with GST tag.
Sequence	STQLSNLGSSTETLEEMPSGSQDKSAPSGHKHLTVEELFGTSLPKEQPAVVGLDSEEMERLPGD ASQKEPNSFLPFPFEQLGGAPQSETLGVPAAHHSVQ
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (89); Rat (87)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.11 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

DCP1A polyclonal antibody (A01), Lot # 060428JCS1. Western Blot analysis of DCP1A expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DCP1A

Entrez GeneID

[55802](#)

GeneBank Accession#

[NM_018403](#)

Protein Accession#

[NP_060873](#)

Gene Name

DCP1A

Gene Alias

FLJ21691, HSA275986, Nbla00360, SMAD4IP1, SMIF

Gene Description

DCP1 decapping enzyme homolog A (S. cerevisiae)

Omim ID

[607010](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Decapping is a key step in general and regulated mRNA decay. The protein encoded by this gene is a decapping enzyme. This protein and another decapping enzyme form a decapping complex, which interacts with the nonsense-mediated decay factor hUpf1 and may be recruited to mRNAs containing premature termination codons. This protein also participates in the TGF-beta signaling pathway. [provided by RefSeq]

Other Designations

DCP1 decapping enzyme homolog A|Smad4-interacting transcriptional co-activator|decapping enzyme hDcp1a|putative protein product of Nbla00360|transcription factor SMIF

Publication Reference

- [MiniBAR/GARRE1 is a dual Rac and Rab effector required for ciliogenesis.](#)

Murielle P Serres, Ronan Shaughnessy, Sophie Escot, Hussein Hammich, Frédérique Cuvelier, Audrey Salles, Murielle Rocancourt, Quentin Verdon, Anne-Lise Gaffuri, Yannick Sourigues, Gilles Malherbe, Leonid Velikovsky, Florian Chardon, Nathalie Sassoon, Jean-Yves Tinevez, Isabelle Callebaut, Etienne Formstecher, Anne Houdusse, Nicolas B David, Olena Pylypenko, Arnaud Echard.

Developmental Cell 2023 Nov; 58(22):2477.

Application: IF, Human, RPE cells

- [RNA supply drives physiological granule assembly in neurons.](#)

Karl E. Bauer, Niklas Bargenda, Rico Schieweck, Christin Illig, Inmaculada Segura, Max Harner and Michael A. Kiebler.

Nature Communications 2022 May; 13(1):2781.

Application: IF, Rat, rat neuronal cells

- [Remodelin, an Inhibitor of NAT10, Could Suppress Hypoxia-Induced or Constitutional Expression of HIFs in Cells.](#)

Yaqian Wu, Yanan Cao, Haijing Liu, Mengfei Yao, Ningning Ma, Bo Zhang.

Molecular and Cellular Biochemistry 2020 Sep; 472(1-2):19.

Application: IF, Human, HeLa cells

Pathway

- [RNA degradation](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Genetic Predisposition to Disease](#)