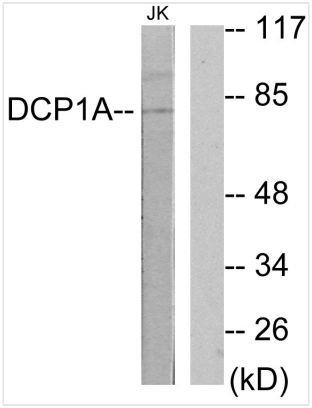
DCP1A Antibody

PRODUCT OVERVIEW

Product Name	DCP1A, Antibody
Full Product Name	DCP1A Antibody
Product Gene Name	anti-DCP1A antibody
Product Synonym Names	mRNA-decapping enzyme 1A; EC 3.-.-.-; Transcription factor SMIF; Smad4-interacting transcriptional co-activator; DCP1A; SMIF
Species Reactivity	Human, Mouse
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	DCP1A antibody detects endogenous levels of total DCP1A protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	59,361 Da
OMIM	607010
3D Structure	ModBase 3D Structure for Q9NPI6
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human DCP1A.
Product Categories/Family for anti-DCP1A antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DCP1A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-DCP1A antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-DCP1A antibody	MBS856072 is an antibody targeting DCP1A. Also known as DCP1A Antibody. Reactive in Human, Mouse.
Product References and Citations for anti-DCP1A antibody	Lykke-Andersen J., Mol. Cell. Biol. 22:8114-8121(2002). Bai R.-Y., Nat. Cell Biol. 4:181-190(2002). Ota T., Nat. Genet. 36:40-45(2004).
Other Notes	Small volumes of anti-DCP1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-DCP1A antibody
Western blot analysis of extracts from Jurkat cells, using DCP1A antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCP1A. It may not necessarily be applicable to this product.

NCBI GI #	589269220
NCBI GeneID	55802
NCBI Accession #	NP_001277133.1
UniProt Primary Accession #	Q9NPI6
UniProt Secondary Accession #	B4DHN9; U3KQM8
UniProt Related Accession #	Q9NPI6
GenBank Nucleotide #	NM_001290204.1
NCBI Official Full Name	mRNA-decapping enzyme 1A isoform b
NCBI Official Synonym Full Names	decapping mRNA 1A
NCBI Official Symbol	DCP1A
NCBI Official Synonym Symbols	SMIF; SMAD4IP1; HSA275986; Nbla00360
UniProt Protein Name	mRNA-decapping enzyme 1A
UniProt Synonym Protein Names	Smad4-interacting transcriptional co-activator; Transcription factor SMIF
Protein Family	mRNA-decapping enzyme
UniProt Gene Name	DCP1A
UniProt Synonym Gene Names	SMIF
NCBI Protein Information	mRNA-decapping enzyme 1A
NCBI Summary for DCP1A	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. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014]
UniProt Comments for DCP1A	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 TGFB1.
Research Articles on DCP1A	**1.** The results suggest that overexpressed Dcp1a and GW182 can form different cytoplasmic aggregates and play distinct biological roles in the miRNA pathway.

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