Rabbit anti-Human, Mouse DCP1A Polyclonal Antibody | anti-DCP1A antibody

DCP1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324137	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

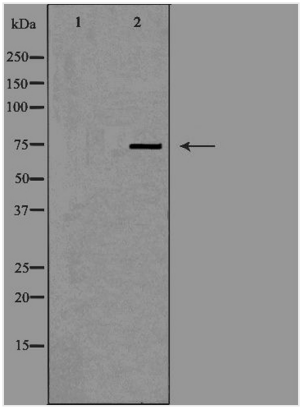
PRODUCT SYNONYMS

DCP1A; Polyclonal Antibody; DCP1A Antibody; DCP1 decapping enzyme homolog A; Dcp1a; DCP1A_HUMAN; Decapping enzyme hDcp1a; Decapping mRNA 1A; HSA275986; mRNA decapping enzyme 1A; mRNA-decapping enzyme 1A; Nbla00360; Putative protein product of Nbla00360; Smad4 interacting transcriptional co activator; Smad4-interacting transcriptional co-activator; SMAD4IP1; SMIF; Transcription factor SMIF; anti-DCP1A antibody

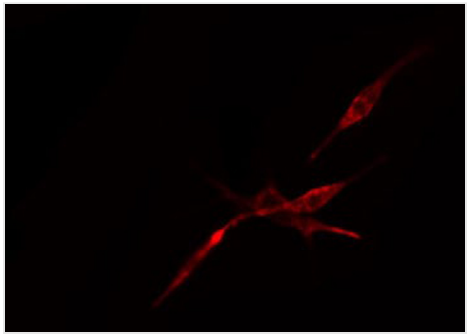
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DCP1A antibody detects endogenous levels of total DCP1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	544
Applicable Applications for anti-DCP1A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > P-Body. Nucleus. Co-localizes with NANOS3 in the processing bodies (By similarity). Predominantly cytoplasmic, in processing bodies (PB). Nuclear, after TGFB1 treatment. Translocation to the nucleus depends on interaction with SMAD4.
Tissue Specificity	Detected in heart, brain, placenta, lung, skeletal muscle, liver, kidney and pancreas.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using DCP1A antibody.The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA324137 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DCP1A antibody	Function: 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. Subunit Structure: Forms a complex with EDC3, DCP2, DDX6 and EDC4/HEDLS, within this complex directly interacts with EDC3 (PubMed:16364915). Part of a cytoplasmic complex containing proteins involved in mRNA decay, including XRN1 and LSM1 (PubMed:12515382). Interacts with DCP1B (PubMed:12417715). Interacts with DCP2 (PubMed:12417715). Interacts with DDX17 in an RNA-independent manner (PubMed:21876179). Interacts with PNRC2 (PubMed:19150429). Interacts with SMAD4 (PubMed:11836524). Interacts with UPF1 (PubMed:12417715). Interacts with ZC3HAV1 (PubMed:21876179). Interacts with ZFP36L1 (PubMed:15687258). Interacts with NBDY (PubMed:27918561). Similarity: Belongs to the DCP1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	589269220
NCBI GeneID	55802
NCBI Accession #	NP_001277133.1
NCBI GenBank Nucleotide #	NM_001290204.1
UniProt Accession #	Q9NPI6; B4DHN9; U3KQM8
Molecular Weight	Observed: 75 kD Predicted: 64 kDa
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
NCBI Protein Information	mRNA-decapping enzyme 1A
UniProt Protein Name	mRNA-decapping enzyme 1A
UniProt Gene Name	**DCP1A**
UniProt Synonym Gene Names	SMIF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/dcp1a-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324137