

Product Name: KD-Validated DCP1A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01116**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 63.3kDa

Antigen Information

Gene Name	DCP1A DCP1A; Decapping MRNA 1A; SMIF; HSA275986; SMAD4IP1; Smad4-Interacting Transcriptional Co-Activator; Transcription Factor SMIF; MRNA-Decapping Enzyme 1A; DCP1
Alternative Names	Decapping Enzyme Homolog A (S. Cerevisiae); Putative Protein Product Of Nbla00360; DCP1 Decapping Enzyme-Like Protein A; DCP1 Decapping Enzyme Homolog A; Decapping Enzyme HDcp1a; EC 3.6.1.62; Nbla00360
Gene ID	55802.0
SwissProt ID	Q9NPI6
Immunogen	A synthesized peptide derived from human DCP1A

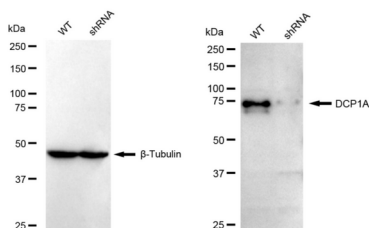
Background

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]

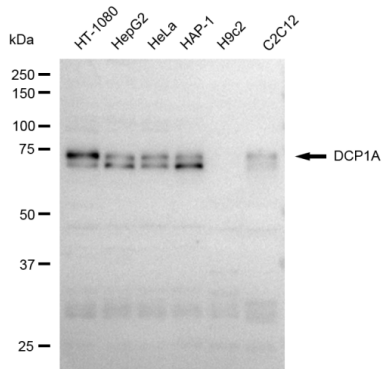
Research Area

Epigenetics and Nuclear Signaling

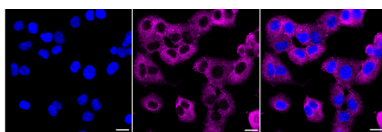
Image Data



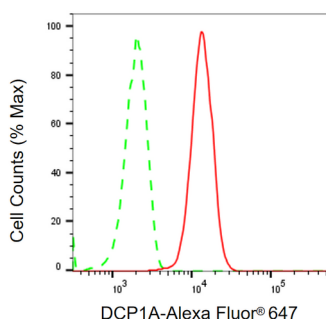
Western blotting analysis using DCP1A antibody (KVA01116). DCP1A expression in wild type (WT) and DCP1A shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with DCP1A antibody (KVA01116, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DCP1A antibody (KVA01116). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DCP1A antibody (KVA01116, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with DCP1A antibody (KVA01116, 1:1,000). Nuclei were stained blue with DAPI; DCP1A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of DCP1A expression in HT-1080 cells using DCP1A antibody (KVA01116, 1:2,000). Green, isotype control; red, DCP1A.