

DCP1A Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant DCP1A.

Catalog # AT1718a

Product Information

Application	WB
Primary Accession	Q9NPI6
Other Accession	NM_018403
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2G10
Calculated MW	63278

Additional Information

Gene ID	55802
Other Names	mRNA-decapping enzyme 1A, 3---, Smad4-interacting transcriptional co-activator, Transcription factor SMIF, DCP1A, SMIF
Target/Specificity	DCP1A (NP_060873, 186 a.a. ~ 285 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DCP1A Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

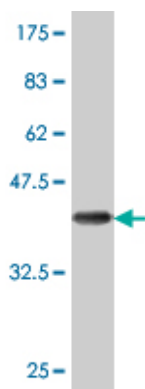
Decapping is a key step in general and regulated mRNA decay. The protein encoded by this gene is a decapping enzyme. This protein and another decapping enzyme form a decapping complex, which interacts with the nonsense-mediated decay factor hUpf1 and may be recruited to mRNAs containing premature termination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

References

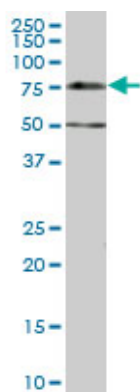
Dcp1-bodies in mouse oocytes. Swetloff A, et al. Mol Biol Cell, 2009 Dec. PMID 19812249. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID

19615732.Human proline-rich nuclear receptor coregulatory protein 2 mediates an interaction between mRNA surveillance machinery and decapping complex. Cho H, et al. Mol Cell, 2009 Jan 16. PMID 19150429.New application of intelligent agents in sporadic amyotrophic lateral sclerosis identifies unexpected specific genetic background. Penco S, et al. BMC Bioinformatics, 2008 May 30. PMID 18513389.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



DCP1A monoclonal antibody (M07), clone 2G10. Western Blot analysis of DCP1A expression in IMR-32 (Cat # AT1718a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.