

DCP1A Antibody (monoclonal) (M07)**Mouse monoclonal antibody raised against a partial recombinant DCP1A.****Catalog # AT1718a****Specification**

DCP1A Antibody (monoclonal) (M07) - Product Information

Application	WB
Primary Accession	Q9NPI6
Other Accession	NM_018403
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	63278

DCP1A Antibody (monoclonal) (M07) - 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.

DCP1A Antibody (monoclonal) (M07) - Protocols

Provided below are standard protocols that you may find useful for product applications.

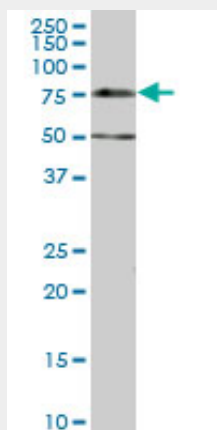
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DCP1A Antibody (monoclonal) (M07) - 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)

DCP1A Antibody (monoclonal) (M07) - 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.

DCP1A Antibody (monoclonal) (M07) - 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.