10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DCPS Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant DCPS.
Catalog # AT1719a

Specification

DCPS Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q96C86
Other Accession	BC014532
Reactivity	**Human, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**38609**

DCPS Antibody (monoclonal) (M02) - Additional Information

Gene ID 28960

Other Names
m7GpppX diphosphatase, DCS-1, Decapping scavenger enzyme, Hint-related 7meGMP-directed hydrolase, Histidine triad nucleotide-binding protein 5, Histidine triad protein member 5, HINT-5, Scavenger mRNA-decapping enzyme DcpS, DCPS, DCS1, HINT5

Target/Specificity
DCPS (AAH14532, 1 a.a. ~ 337 a.a) full-length 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
DCPS Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

DCPS Antibody (monoclonal) (M02) - Protocols

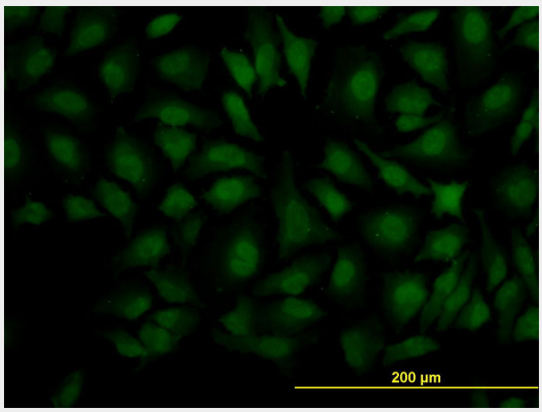
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

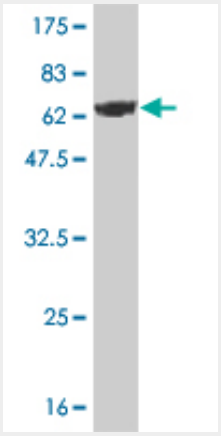
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

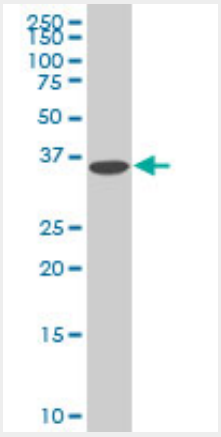
DCPS Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to DCPS on HeLa cell. [antibody concentration 10 ug/ml]

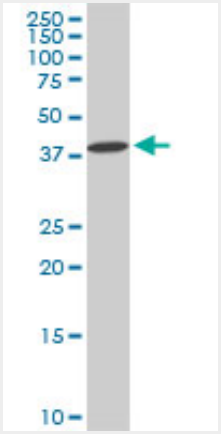


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (62.81 KDa) .

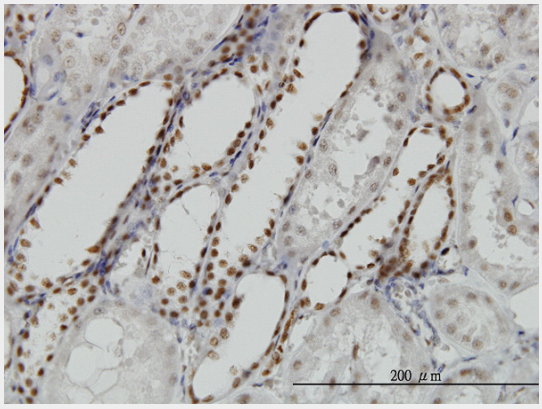


10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

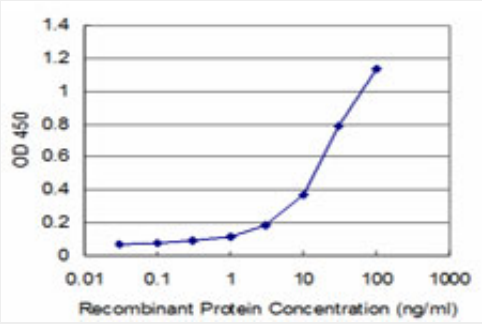
DCPS monoclonal antibody (M02), clone 1G4 Western Blot analysis of DCPS expression in HeLa ((Cat # AT1719a)



DCPS monoclonal antibody (M02), clone 1G4. Western Blot analysis of DCPS expression in PC-12((Cat # AT1719a)



Immunoperoxidase of monoclonal antibody to DCPS on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged DCPS is approximately 3ng/ml as a capture antibody.

DCPS Antibody (monoclonal) (M02) - References

Proteomic approach to the identification of novel delta-lactoferrin target genes: Characterization of DcpS, an mRNA scavenger decapping enzyme. Mariller C, et al. Biochimie, 2009 Jan. PMID 18725266.Mechanistic and kinetic analysis of the DcpS scavenger decapping enzyme. Liu SW, et al. J Biol Chem, 2008 Jun 13. PMID 18441014.DcpS scavenger decapping enzyme can modulate pre-mRNA splicing. Shen V, et al. RNA, 2008 Jun. PMID 18426921.Role of a novel dual flavin reductase (NR1) and an associated histidine triad protein (DCS-1) in menadione-induced cytotoxicity. Kwa?nicka-Crawford DA, et al. Biochem Biophys Res Commun, 2005 Oct 21. PMID

16140270.Crystal structures of human DcpS in ligand-free and m7GDP-bound forms suggest a dynamic mechanism for scavenger mRNA decapping. Chen N, et al. J Mol Biol, 2005 Apr 8. PMID 15769464.