

Mouse anti-Human, Rat DCPS Monoclonal Antibody | anti-DCPS antibody

DCPS (DCS1, HINT5, m7GpppX Diphosphatase, DCS-1, Hint-related 7meGMP-directed Hydrolase, Histidine Triad Protein Member 5, Scavenger mRNA-decapping Enzyme DcpS, HSPC015)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14781	Mouse	Human, Rat	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

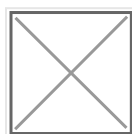
PRODUCT SYNONYMS

DCPS; Monoclonal Antibody; DCPS (DCS1; HINT5; m7GpppX Diphosphatase; DCS-1; Hint-related 7meGMP-directed Hydrolase; Histidine Triad Protein Member 5; Scavenger mRNA-decapping Enzyme DcpS; HSPC015); Anti -DCPS (DCS1; anti-DCPS antibody)

PRODUCT SPECIFICATIONS

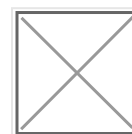
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1G4
Specificity	Recognizes human DCPS. Species Crossreactivity: rat.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MADAAPQLGK RKRELDVEEA HAASTEEKEA GVGNGTCAPV RLPFSGFRLQ KVLRESARDK IIFLHGKVNE ASEDGDGEDA VVILEKTPFQ VEQVAQLLTG SPELQLQFSN DIYSTYHLFP PRQLNDVKTT VVYPATEKHL QKYLRQDLRL IRETGDDYRN ITLPHLESQS LSIQWVYNIL DKKAEADRIV FENPDPSDGF VLIPDLKWNQ QQLDLDLYLIA ICHRRGIRSL RDLTPEHLPL LRNLHQGQE AILQR
Applicable Applications for anti-DCPS antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in ELISA, Western Blot, Immunohistochemistry and Immunofluorescence. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 1.5ug/ml
Immunogen	Full length recombinant corresponding to aa1-338 from human DCPS (AAH14532) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

DCPS monoclonal antibody. Western Blot analysis of DCPS expression in PC-12.



Application Data

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

**IF (Immunofluorescence)**

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

**IHC (Immunohistochemistry)**

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

**WB (Western Blot)**

DCPS monoclonal antibody Western Blot analysis of DCPS expression in HeLa.

**WB (Western Blot)**

Western Blot detection against Immunogen (63.18kD).

ADDITIONAL INFORMATION

Related Product Information for anti-DCPS antibody	Necessary for the complete degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA fragments shorter than 10 nucleotides that are produced by 3'->5' exosome-mediated mRNA decay. Releases m7GMP. Can also degrade m7GDP to m7GMP. Has no activity towards mRNA molecules longer than 25 nucleotides.
Product Categories/Family for anti-DCPS antibody	Antibodies ; Abs to Enzymes ; Phosphatase

NCBI AND UNIPROT INFORMATION

NCBI GI #	146186594
NCBI GeneID	282640
UniProt Accession #	Q8MJJ7
Molecular Weight	38,402 Da
NCBI Official Full Name	DCPS protein
NCBI Official Synonym Full Names	decapping enzyme, scavenger
NCBI Official Symbol	DCPS
NCBI Official Synonym Symbols	HINT-5
NCBI Protein Information	m7GpppX diphosphatase; DCS-1; mRNA decapping enzyme; decapping scavenger enzyme; histidine triad protein member 5; scavenger mRNA-decapping enzyme DcpS; hint-related 7meGMP-directed hydrolase; histidine triad nucleotide-binding protein 5
UniProt Protein Name	m7GpppX diphosphatase
UniProt Gene Name	DCPS
UniProt Synonym Gene Names	DCS1; HINT5; HINT-5
UniProt Entry Name	DCPS_BOVIN

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/monoclonal/dcps-antibody-clone-1g4-western-blot-immunohistochemistry-immunofluorescence-elisa/14781>