

DCPS Conjugated Antibody

Catalog No: #C31840

Package Size: #C31840-AF350 100ul #C31840-AF405 100ul #C31840-AF488 100ul #C31840-AF555 100ul #C31840-AF594 100ul #C31840-AF647 100ul #C31840-AF680 100ul #C31840-AF750 100ul #C31840-Biotin 100ul #C31840-Conjugated 50ul

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Description

Product Name	DCPS Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Fusion protein of human DCPS
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Target Name	DCPS
Other Names	ARS; DCS1; HSL1; HINT5; HINT-5; HSPC015
Accession No.	Swiss-Prot#: Q96FZ7NCBI Protein#: BC014532
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at -20°C/1 year

Application Details

IF:1:50-1:200

Background

Decapping scavenger enzyme that catalyzes the cleavage of a residual cap structure following the degradation of mRNAs by the 3'->5' exosome-mediated mRNA decay pathway. Hydrolyzes cap analog structures like 7-methylguanosine nucleoside triphosphate (m7GpppG) with up to 10 nucleotide substrates (small capped oligoribonucleotides) and specifically releases 5'-phosphorylated RNA fragments and 7-methylguanosine monophosphate (m7GMP). Cleaves cap analog structures like tri-methyl guanosine nucleoside triphosphate (m3(2,2,7)GpppG) with very poor efficiency. Does not hydrolyze unmethylated cap analog (GpppG) and shows no decapping activity on intact m7GpppG-capped mRNA molecules longer than 25 nucleotides. Does not hydrolyze 7-methylguanosine diphosphate (m7GDP) to m7GMP (PubMed:22985415). May also play a role in the 5'->3' mRNA decay pathway; m7GDP, the downstream product released by the 5'->3' mRNA mediated decapping activity, may be also converted by DCPS to m7GMP (PubMed:14523240). Binds to m7GpppG and strongly to m7GDP. Plays a role in first intron splicing of pre-mRNAs. Inhibits activation-induced cell death.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.