

Rabbit DCP2 Polyclonal Antibody | anti-DCP2 antibody

DCP2 Antibody

CATALOG # AAA40601	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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PRODUCT SYNONYMS

DCP2; Polyclonal Antibody; DCP2 Antibody; NUDT20; m7GpppN-mRNA hydrolase; Nucleoside diphosphate-linked moiety X motif 20; Nudix motif 20; DCP2 decapping enzyme homolog (S. cerevisiae); anti-DCP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Multiple isoforms of DCP2 are known to exist.
Purity/Purification	DCP2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	420
Applicable Applications for anti-DCP2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DCP2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human DCP2.
Buffer	DCP2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DCP2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of DCP2 in human testis tissue with DCP2 antibody at 20 µg/mL.



WB (Western Blot)

Western blot analysis of DCP2 in 293 cell lysate with DCP2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DCP2 antibody	DCP2 Antibody: The removal, or decapping, of eukaryotic mRNA is an important step in the degradation of mRNA. Decapping protein 2 (DCP2) is the major mRNA decapping enzyme in cells. It is a member of the Nudix hydrolases superfamily of proteins that predominantly catalyze the hydrolysis of small nucleoside diphosphate substrates linked to another moiety. DCP2 is widely expressed in multiple tissues at varying levels, with highest expression seen in testis and brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542498
NCBI GeneID	167227
NCBI Accession #	NP_689837
NCBI GenBank Nucleotide #	NM_152624.5
UniProt Accession #	Q8IU60; Q6P2D4; Q7Z5W5; Q8NBG5; C9J778
Molecular Weight	46 kDa
NCBI Official Full Name	m7GpppN-mRNA hydrolase isoform 1
NCBI Official Synonym Full Names	decapping mRNA 2
NCBI Official Symbol	DCP2
NCBI Official Synonym Symbols	NUDT20
NCBI Protein Information	m7GpppN-mRNA hydrolase; hDpc; mRNA-decapping enzyme 2; DCP2 decapping enzyme homolog; nudix (nucleoside diphosphate linked moiety X)-type motif 20
UniProt Protein Name	m7GpppN-mRNA hydrolase
UniProt Gene Name	DCP2
UniProt Synonym Gene Names	NUDT20; Nudix motif 20; hDpc
UniProt Entry Name	DCP2_HUMAN

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.