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Datasheet for 600-401-AT4

DCP2 Antibody

Overview

Description:	Anti-DCP2 (RABBIT) Antibody - 600-401-AT4
Item No.:	600-401-AT4
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	DCP2 Antibody, NUDT20, NUDT20, m7GpppN-mRNA hydrolase, Nucleoside diphosphate-linked moiety X motif 20, Nudix motif 20
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DCP2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DCP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human DCP2.
Purity/Specificity:	Anti-DCP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of DCP2 are known to exist.

Relevant Links:	• UniProtKB - Q8IU60 • GeneID - 167227 • NCBI - NP_689837

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-DCP2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

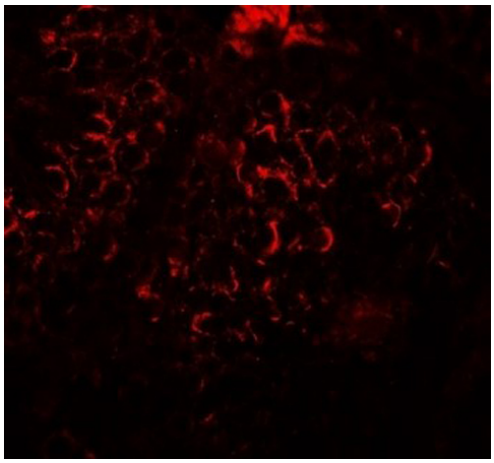
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

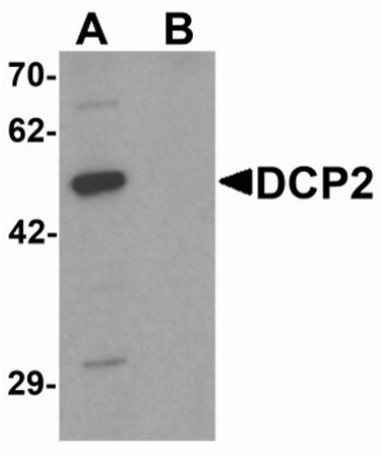
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of DCP2.
Tissue: human testis tissue.
Primary Antibody: DCP2 antibody at 20 µg/mL.



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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.