Datasheet for 600-401-AT3

DCNP1 Antibody

Overview

Description:	Anti-DCNP1 (RABBIT) Antibody - 600-401-AT3
Item No.:	600-401-AT3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The DCNP1 (dendritic cell nuclear protein 1) gene is specifically expressed in dendritic cells, potent antigen-presenting cells involved in activating naive T cells to initiate antigen-specific immune response (1). It is localized mainly in the perinucleus. One of the alleles (A/T) of this gene causes premature translation termination at aa 117 and has been associated with an increased prevalence of major depression in humans (2,3). DCNP1 may play a role in the pathogenesis of depressive disorders by enhancing corticotropin-releasing hormone expression in the hypothalamic paraventricular nucleus (4).
Synonyms:	DCNP1 Antibody, DCNP1, C5orf20, Dendritic cell nuclear protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	C5orf20
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DCNP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human DCNP1.

Purity/Specificity:	Anti-DCNP1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DCNP1 antibody is human, mouse and rat reactive.
Relevant Links:	• UniProtKB - Q8TF63 • GeneID - 140947 • NCBI - NP_570900

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DCNP1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 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:	1:10,000-1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

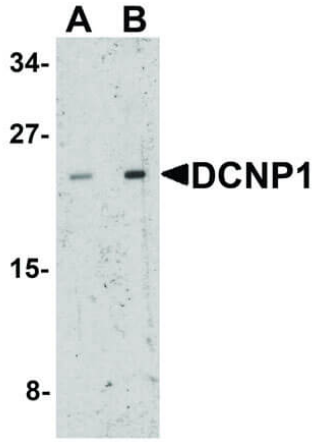
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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



Western Blot
Western Blot of Rabbit anti-DCNP1 antibody. Lane A: mouse skeletal muscle tissue lysate at 1 µg/mL. Lane B: mouse skeletal muscle tissue lysate at 2 µg/mL. Primary antibody: DCNP1 antibody overnight at 4℃. Secondary antibody: Goat Anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 27 kDa, 24 kDa for DCNP1.

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.