

Datasheet for 600-401-FW2**VENTX Antibody****Overview**

Description:	Anti-VENTX (RABBIT) Antibody - 600-401-FW2
Item No.:	600-401-FW2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Lymphoid-enhancing factor/T-cell factors (LEF1/TCF) are a high-mobility group of transcriptional factors that play essential roles in cell fate determination during early embryogenesis and ontogenesis. VENTX is a member of the Vent family of homeodomain proteins. It is a novel LEF/TCF-associated transcriptional modulator. VENTX is predominately expressed in hematopoietic cells. VENTX may function as a transcriptional repressor and be involved in mesodermal patterning and hemopoietic stem cell maintenance, and has been suggested to have a potential role in the hematopoietic malignancies.
Synonyms:	VENTX Antibody, NA88A, HPX42B, VENTX2, Homeobox protein VENTX, VENT homeobox homolog
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	VENTX
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-VENTX antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human VENTX.

Purity/Specificity: Anti-VENTX Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with VENTX from other sources has not been determined.

Relevant Links:

- [UniProtKB - O95231](#)
- [GeneID - 27287](#)
- [NCBI - NP_055283.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-VENTX Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 28 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 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

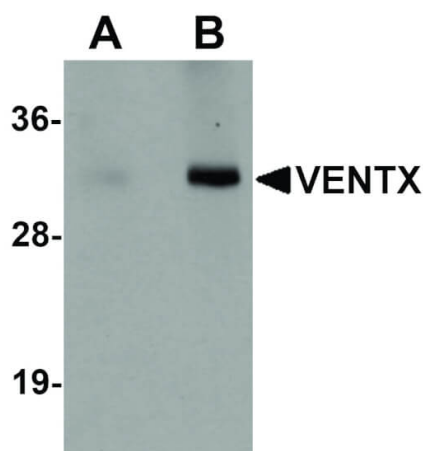
Shipping & Handling

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:

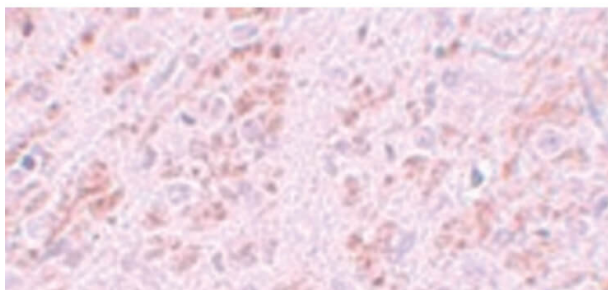
Expiration date is one (1) year from date of receipt.

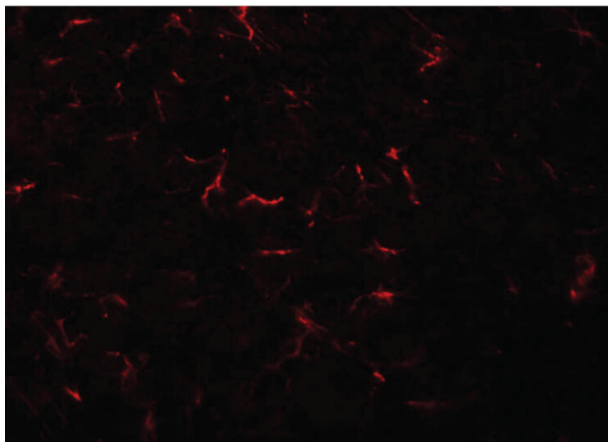
Images**Western Blot**

Western Blot of VENTX antibody. Lane 1: Mouse brain tissue lysate with VENTX antibody at 1 µg/mL. Lane 2: Mouse brain tissue lysate with VENTX antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 28 kDa, 31 kDa for VENTX. Other band(s): VENTX splice variants and isoforms.

Immunohistochemistry

Immunohistochemistry of VENTX antibody. Tissue: Rat brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: VENTX antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: VENTX is cytoplasmic. Staining: VENTX as precipitated pink signal with blue nuclear counterstain.



**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of VENTX antibody.

Tissue: Rat brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: VENTX antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT.

Localization: VENTX is cytoplasmic. Staining: VENTX as red fluorescent signal.

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.