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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-AS8

DBX1 Antibody

Overview

Description:	Anti-DBX1 (RABBIT) Antibody - 600-401-AS8
Item No.:	600-401-AS8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	DBX1 is implicated in patterning the central nervous system during embryogenesis. DBX1 homeodomain transcription factor is expressed in progenitors which are critical in establishing cell fate allocation and cell diversity. DBX1 has a key role in regulating the distinct phenotypic features that distinguish two major classes of ventral interneurons, V0 and V1 neurons. DBX1-derived neurons are essential for the transgenic expression and generation of respiratory behavior both in vitro and in vivo.
Synonyms:	DBX1 Antibody, Homeobox protein DBX1, Developing brain homeobox protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DBX1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DBX1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human DBX1.

Purity/Specificity:	Anti-DBX1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. BX1 antibody is predicted to not cross-react with other DBX protein family members
Relevant Links:	• UniProtKB - A6NMT0 • GeneID - 120237 • NCBI - NP_001025036

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DBX1 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 38 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:	2.5 µg/mL
WB:	1-2 µg/mL

Formulation

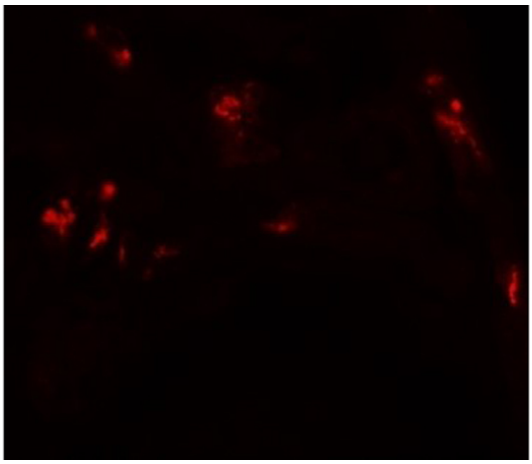
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

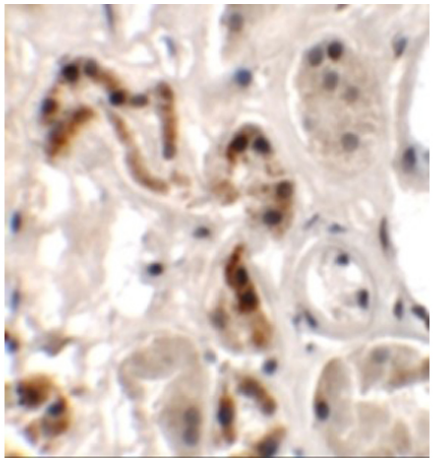
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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.

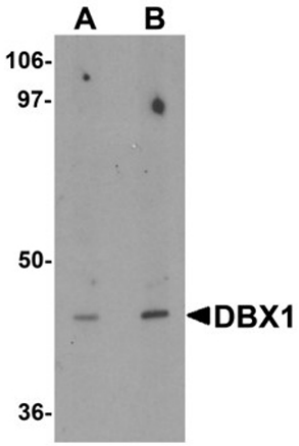
Images



Immunofluorescence Microscopy
Immunofluorescence of DBX1.
Tissue: human kidney tissue. Primary Antibody: DBX1 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of DBX1. Tissue: human kidney tissue. Primary Antibody: DBX1 antibody at 2.5 µg/mL.



Western Blot
Western blot analysis of DBX1.
Load: mouse kidney tissue lysate. Primary Antibody: DBX1 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

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.