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

Datasheet for 600-401-AS9

DBX2 Antibody

Overview

Description:	Anti-DBX2 (RABBIT) Antibody - 600-401-AS9
Item No.:	600-401-AS9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	DBX2 is a member of the developing brain homeobox (DBX) protein family, but while the related protein DBX1 is expressed in various regions of the developing brain, DBX2 shows a more restricted pattern of expression in the brain, and is also expressed in some mesenchymal cells such as limb buds and tooth germs. It is thought that DBX1 and DBX2 promote the development of a subset of interneurons, some of which help mediate left-right coordination of locomotor activity. In Xenopus, DBX2 is involved in primary neurogenesis and early neural plate patterning, and is thought to act as a cross-repressive partner of NKX6-2 in the patterning of the ventral neural tube.
Synonyms:	DBX2 Antibody, Homeobox protein DBX2, Developing brain homeobox protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DBX2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DBX2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human DBX2.

Purity/Specificity:	Anti-DBX2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DBX2 antibody is human specific. At least two isoforms of DBX2 are known to exist; this antibody will only detect the shortest isoform.
Relevant Links:	• UniProtKB - Q6ZNG2 • GeneID - 440097 • NCBI - NP_001004329

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DBX2 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 37 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:	5 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

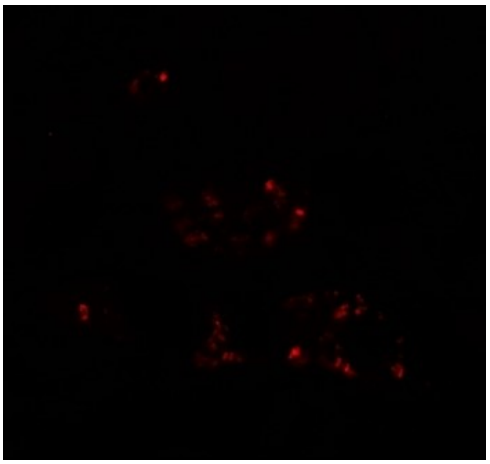
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

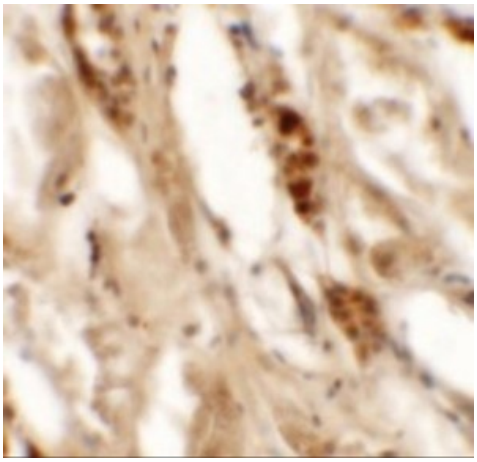
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

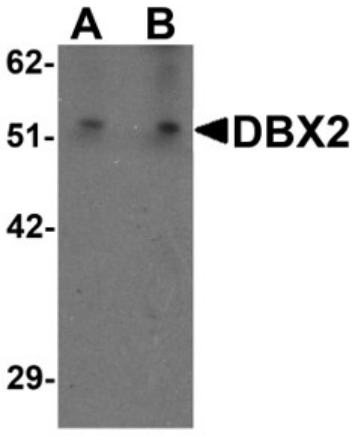
Images



Immunofluorescence Microscopy
Immunofluorescence of DBX2.
Tissue: human kidney tissue.
Primary Antibody: DBX2 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of DBX2.
Tissue: human kidney tissue.
Primary Antibody: DBX2 antibody at 5 µg/mL.



Western Blot
Western blot analysis of DBX2.
Load: rat lung tissue lysate.
Priamry Antibody: DBX2 antibody at (A) 1 and (B) 2 µg/mL.

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