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Datasheet for ABIN1450048 anti-DBX1 antibody (Middle Region)

2 Images



Overview

Quantity:	0.1 mg
Target:	DBX1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid synthetic peptide near the center of Human DBX1
Isotype:	lgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

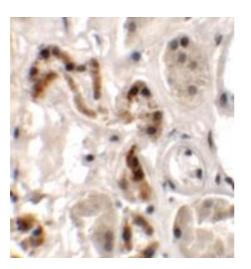
Target Details

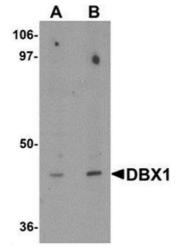
Target:	DBX1
Alternative Name:	DBX1 (DBX1 Products)
Background:	DBX1 is implicated in patterning the central nervous system during embryogenesis. DBX1

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Target Details

	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: DBX-1, Developing brain homeobox protein 1, Homeobox protein DBX1
Gene ID:	120237
NCBI Accession:	NP_001025036
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of DBX1 in human kidney tissue with DBX1 antibody at 2.5 ug/mL.

Western Blotting

Image 2. Western blot analysis of DBX1 in mouse kidney tissue lysate with DBX1 antibody at (A) 1 and (B) $2 \mu g/mL$.

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