abcam

Product datasheet

Anti-DBX1 antibody ab87327

1 Image

Overview

Product name	Anti-DBX1 antibody
Description	Rabbit polyclonal to DBX1
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog
Immunogen	Synthetic peptide corresponding to a region within internal sequence amino acids 288-337 (GCREQTLPTK LNPHPDLSDV GQKGPGNEEE EEGPGSPSHR LAYHASSDPQ) of Human DBX1 (NP_001025036). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fetal spleen lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab87327** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

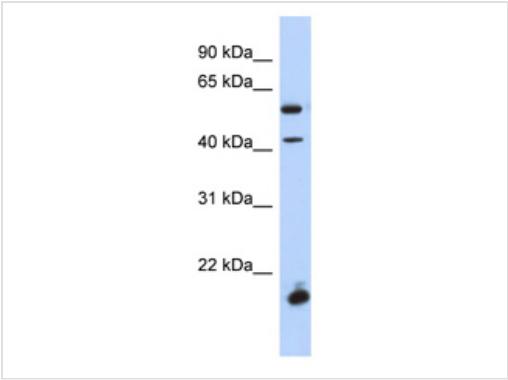
Relevance

Dbx1 homeodomain transcription factor is expressed in progenitors at the boundary between the dorsal and ventral plates of the caudal neural tube, from which postmitotic cells migrate tangentially to their final destination. Dbx1 is implicated in patterning the central nervous system during embryogenesis. Cell fate allocation and cell diversity are determined at very early stages in progenitor cells at precise coordinates along the dorsoventral and anteroposterior axis. In the spinal cord, the spatially restricted expression of Dbx1 in progenitors is critical in establishing interneuron cell fates and helps coordinate diverse phenotypic features. In the telencephalon, Dbx1 is expressed in restricted progenitor domains at the borders of the developing pallium.

Cellular localization

Nuclear

Images



Western blot - DBX1 antibody (ab87327)

Anti-DBX1 antibody (ab87327) at 1 µg/ml (in 5% skim milk / PBS buffer) + Human fetal spleen lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size : 41 kDa
Observed band size : 41 kDa
Additional bands at : 55 kDa,<22 kDa. We are unsure as to the identity of these extra bands.

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